

10/513699

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NEWS 1 Web Page for STN Seminar Schedule - N. America  
NEWS 2 AUG 10 Time limit for inactive STN sessions doubles to 40  
minutes  
NEWS 3 AUG 18 COMPENDEX indexing changed for the Corporate Source  
(CS) field  
NEWS 4 AUG 24 ENCOMPLIT/ENCOMPLIT2 reloaded and enhanced  
NEWS 5 AUG 24 CA/CAPLUS enhanced with legal status information for  
U.S. patents  
NEWS 6 SEP 09 50 Millionth Unique Chemical Substance Recorded in  
CAS REGISTRY  
NEWS 7 SEP 11 WPIDS, WPINDEX, and WPIX now include Japanese FTERM  
thesaurus  
NEWS 8 OCT 21 Derwent World Patents Index Coverage of Indian and  
Taiwanese Content Expanded  
NEWS 9 OCT 21 Derwent World Patents Index enhanced with human  
translated claims for Chinese Applications and  
Utility Models  
NEWS 10 OCT 27 Free display of legal status information in CA/CAPLUS,  
USPATFULL, and USPAT2 in the month of November.  
NEWS 11 NOV 23 Addition of SCAN format to selected STN databases  
NEWS 12 NOV 23 Annual Reload of IFI Databases  
  
NEWS EXPRESS MAY 26 09 CURRENT WINDOWS VERSION IS V8.4,  
AND CURRENT DISCOVER FILE IS DATED 06 APRIL 2009.  
  
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Enter NEWS followed by the item number or name to see news on that  
specific topic.

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FILE 'HOME' ENTERED AT 13:44:46 ON 23 NOV 2009

<12/04/2007>

Erich Leese

10/513699

=> file reg  
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
0.22	0.22

FULL ESTIMATED COST

FILE 'REGISTRY' ENTERED AT 13:44:55 ON 23 NOV 2009  
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STRUCTURE FILE UPDATES: 22 NOV 2009 HIGHEST RN 1193309-59-9  
DICTIONARY FILE UPDATES: 22 NOV 2009 HIGHEST RN 1193309-59-9

New CAS Information Use Policies, enter HELP USAGETERMS for details.

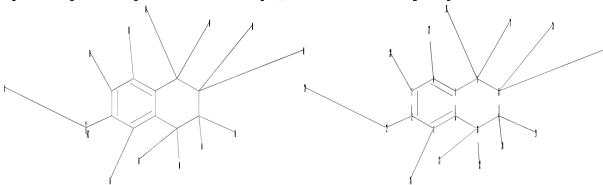
TSCA INFORMATION NOW CURRENT THROUGH June 26, 2009.

Please note that search-term pricing does apply when  
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REGISTRY includes numerically searchable data for experimental and  
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experimental property data in the original document. For information  
on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=>  
Uploading C:\Program Files\Stnexp\Queries\10598262hydrogen.str



chain nodes :  
12 16 17 19 20 21 22 24 25 26 27 28 29  
ring nodes :  
1 2 3 4 5 6 7 8 9 10  
chain bonds :  
1-26 2-12 3-28 4-27 7-16 7-17 8-24 8-25 9-19 9-20 10-21 10-22 12-29  
ring bonds :  
1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-10 7-8 8-9 9-10  
exact/norm bonds :

<12/04/2007>

Erich Leese

10/513699

5-7 6-10 7-8 8-9 9-10 12-29

exact bonds :

1-26 2-12 3-28 4-27 7-16 7-17 8-24 8-25 9-19 9-20 10-21 10-22

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6

G1:H,N

G2:C,H

G3:C,N

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom

12:CLASS 16:CLASS 17:CLASS 19:CLASS 20:CLASS 21:CLASS 22:CLASS 24:CLASS

25:CLASS 26:CLASS 27:CLASS 28:CLASS 29:CLASS

L1 STRUCTURE UPLOADED

=> s l1 sss

SAMPLE SEARCH INITIATED 13:45:12 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 188474 TO ITERATE

1.1% PROCESSED 2000 ITERATIONS 3 ANSWERS  
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)  
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*INCOMPLETE\*\*  
BATCH \*\*INCOMPLETE\*\*  
PROJECTED ITERATIONS: 3743870 TO 3795090  
PROJECTED ANSWERS: 4646 TO 6662

L2 3 SEA SSS SAM L1

=> s l1 full

THE ESTIMATED SEARCH COST FOR FILE 'REGISTRY' IS 185.40 U.S. DOLLARS

DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N or END:y

FULL SEARCH INITIATED 13:45:19 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 3777563 TO ITERATE

51.7% PROCESSED 1954366 ITERATIONS 4603 ANSWERS

52.9% PROCESSED 2000000 ITERATIONS 4603 ANSWERS  
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)  
SEARCH TIME: 00.00.20

FULL FILE PROJECTIONS: ONLINE \*\*INCOMPLETE\*\*  
BATCH \*\*INCOMPLETE\*\*  
PROJECTED ITERATIONS: 3777563 TO 3777563  
PROJECTED ANSWERS: 8415 TO 8973

L3 4603 SEA SSS FUL L1

10/513699

=> file caplus		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	185.88	186.10

FILE 'CAPLUS' ENTERED AT 13:45:43 ON 23 NOV 2009  
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FILE COVERS 1907 - 23 Nov 2009 VOL 151 ISS 22  
FILE LAST UPDATED: 22 Nov 2009 (20091122/ED)  
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Aug 2009  
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Aug 2009

Caplus now includes complete International Patent Classification (IPC) reclassification data for the third quarter of 2009.

CAS Information Use Policies apply and are available at:

<http://www.cas.org/legal/infopolicy.html>

This file contains CAS Registry Numbers for easy and accurate substance identification.

During November, try the new LSUS format of legal status information in the CA/Caplus family databases for free! Complete details on the number of free displays and other databases participating in this offer appear in NEWS 10.

=> s l3 full  
L4 116 L3

=> s py<2005  
SYSTEM LIMITS EXCEEDED - SEARCH ENDED  
The search profile you entered was too complex or gave too many answers. Simplify or subdivide the query and try again. If you have exceeded the answer limit, enter DELETE HISTORY at an arrow prompt (=) to remove all previous answers sets and begin at L1. Use the SAVE command to store any important profiles or answer sets before using DELETE HISTORY.

=> s l4 py<2005  
MISSING OPERATOR L4 PY<2005  
The search profile that was entered contains terms or nested terms that are not separated by a logical operator.

<12/04/2007>

Erich Leese

10/513699

=> s l4 and py<2005

25152347 PY<2005

L5 47 L4 AND PY<2005

=> d ibib abs hitstr tot

THE ESTIMATED COST FOR THIS REQUEST IS 265.08 U.S. DOLLARS

DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N:y

<12/04/2007>

Erich Leese

L5 ANSWER 1 OF 47 CAPLUS COPYRIGHT 2009 ACS ON STN

ACCESSION NUMBER: 2005:570893 CAPLUS

DOCUMENT NUMBER: 143:97353

TITLE: Preparation of pyrazolo[3,4-b]pyridines as phosphodiesterase, especially PDE4B, inhibitors for treatment of inflammatory and/or allergic diseases

INVENTOR(S): Allen, David George; Coe, Diane Mary; Cook, Caroline Mary; Dowle, Michael Dennis; Edlin, Christopher David; Hamblin, Julie Nicole; Johnson, Martin Redpath; Jones, Paul Spencer; Lindvall, Mika Kristian; Mitchell, Charlotte Jane; Redgrave, Alison Judith; Robinson, John Edward; Trivedi, Naimisha

PATENT ASSIGNEE(S): Glaxo Group Limited, UK

SOURCE: PCT Int. Appl., 295 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 3

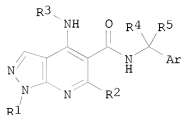
PATENT INFORMATION:

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WO 2004056823	A1	20040708	WO 2003-EP14867	20031219 <--
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AU 2004299277	A1	20050630	AU 2004-299277	20041217
CA 2557004	A1	20050630	CA 2004-2557004	20041217
EP 1737857	A1	20070103	EP 2004-804089	20041217
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CN 1914205	A	20070214	CN 2004-80041657	20041217
JP 2007514704	T	20070607	JP 2006-544380	20041217
US 20070111995	A1	20070517	US 2006-596561	20060616
NO 2006003340	A	20060912	NO 2006-3340	20060718
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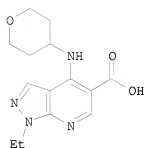
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GB 2004-6754	A 20040325
GB 2002-30045	A 20021223
GB 2002-30165	A 20021224
GB 2003-7998	A 20030407
WO 2004-EP14490	W 20041217
US 2006-596561	A1 20060616

OTHER SOURCE(S):  
GI

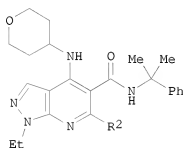
CASREACT 143:97353; MARPAT 143:97353



I



II



III

- AB Title compds. I [wherein Ar = (un)substituted Ph, naphthyl, indanyl, pyridinyl, etc. with provisos; R1 = fluoro/alkyl, CH<sub>2</sub>CH<sub>2</sub>OH; R2 = H, Me, fluoroalkyl; R3 = (un)substituted cycloalkyl, monounsaturated cycloalkenyl, bicyclic, heterocyclic; R4 = H, Me, Et, Pr, i-Pr, fluoroalkyl, cyclopropyl, etc.; R5 = H, fluoro/alkyl, (un)substituted cyclo/alkyl, Ph, etc.; provided that at least one of R4 and R5 is not H; and salts thereof] were prepared as selective phosphodiesterase 4 (PDE4), especially PDE4B, inhibitors. The invention also provides for the use of I for the treatment and/or prophylaxis of an inflammatory and/or allergic disease, such as chronic obstructive pulmonary disease (COPD), asthma, rheumatoid arthritis, allergic rhinitis or atopic dermatitis. Eight biol. methods are given. For example, coupling of acid II with 2-phenyl-2-propanamine gave title compound III. Selected I inhibited PDE4B with IC<sub>50</sub> in the range of. I are in particle size-reduced form (DC<sub>50</sub> value of about 0.5 to about 10 μ) when used in inhalant compns.
- IT 856559-79-0P, 1-Ethyl-N-[1-(5,6,7,8-tetrahydro-2-naphthalenyl)ethyl]-4-[(tetrahydro-2H-pyran-4-yl)amino]-1H-pyrazolo[3,4-b]pyridine-5-carboxamide 856560-45-7P, 4-(Cyclohexylamino)-1-ethyl-N-[1-(5,6,7,8-tetrahydro-2-naphthalenyl)ethyl]-1H-pyrazolo[3,4-b]pyridine-5-carboxamide 856561-00-7P, 1-Ethyl-4-[(4-oxocyclohexyl)amino]-N-[1-(5,6,7,8-tetrahydro-2-

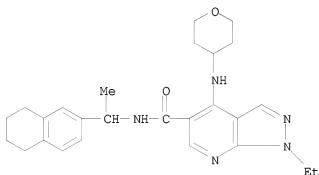
naphthalenyl)ethyl]-1H-pyrazolo[3,4-b]pyridine-5-carboxamide  
 856561-03-0P, 1-Ethyl-4-[[4-(hydroxyimino)cyclohexyl]amino]-N-[1-(5,6,7,8-tetrahydro-2-naphthalenyl)ethyl]-1H-pyrazolo[3,4-b]pyridine-5-carboxamide

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(PDE4B inhibitor; preparation of pyrazolo[3,4-b]pyridines as PDE4 inhibitors for treatment of inflammatory and/or allergic diseases)

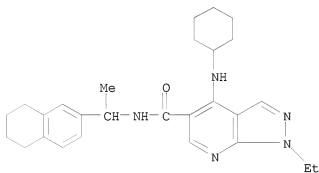
RN 856559-79-0 CAPLUS

CN 1H-Pyrazolo[3,4-b]pyridine-5-carboxamide,  
 1-ethyl-N-[1-(5,6,7,8-tetrahydro-2-naphthalenyl)ethyl]-4-[(tetrahydro-2H-pyran-4-yl)amino]- (CA INDEX NAME)



RN 856560-45-7 CAPLUS

CN 1H-Pyrazolo[3,4-b]pyridine-5-carboxamide,  
 4-(cyclohexylamino)-1-ethyl-N-[1-(5,6,7,8-tetrahydro-2-naphthalenyl)ethyl]- (CA INDEX NAME)

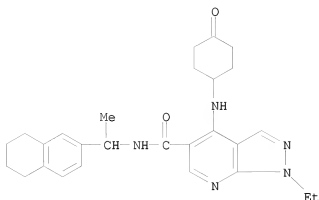


RN 856561-00-7 CAPLUS

CN 1H-Pyrazolo[3,4-b]pyridine-5-carboxamide,  
 1-ethyl-4-[(4-oxocyclohexyl)amino]-N-[1-(5,6,7,8-tetrahydro-2-naphthalenyl)ethyl]- (CA INDEX NAME)

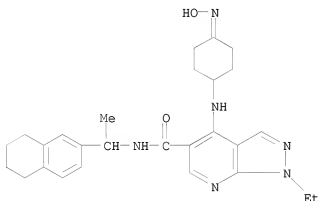


10/513699



RN 856561-03-0 CAPLUS

CN 1H-Pyrazolo[3,4-b]pyridine-5-carboxamide,  
1-ethyl-4-[[4-(hydroxyimino)cyclohexyl]amino]-N-[1-(5,6,7,8-tetrahydro-2-naphthalenyl)ethyl]- (CA INDEX NAME)

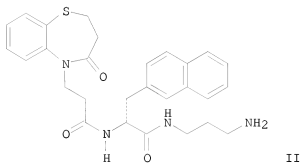
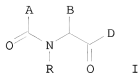


OS.CITING REF COUNT: 4 THERE ARE 4 CAPLUS RECORDS THAT CITE THIS RECORD  
(4 CITINGS)

REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 2 OF 47 CAPLUS COPYRIGHT 2009 ACS on STN  
 ACCESSION NUMBER: 2005:207843 CAPLUS  
 DOCUMENT NUMBER: 142:261793  
 TITLE: Preparation of N-acylated lipophilic amino acid derivatives having growth hormone releasing activity  
 INVENTOR(S): Funamizu, Hidenori; Ishiyama, Nobuo; Ikegami, Satoru; Okuno, Tadashi; Inoguchi, Kiyoshi; Huang, Ping; Loew, Gilda  
 PATENT ASSIGNEE(S): Kaken Pharmaceutical Co., Ltd., Japan; Molecular Research Institute  
 SOURCE: U.S., 49 pp., Cont.-in-part of U.S. Ser. No. 916,575, abandoned.  
 CODEN: USXXAM  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 2  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6864250	B1	20050308	US 2000-485845	20000426
WO 9909991	A1	19990304	WO 1998-US17232	19980820 <---
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
US 20050059699	A1	20050317	US 2004-962598	20041013
US 7064121	B2	20060620		
US 20060142264	A1	20060629	US 2006-359616	20060223
US 7279573	B2	20071009		
US 20080027038	A1	20080131	US 2007-892063	20070820
PRIORITY APPLN. INFO.:				
			US 1997-916575	B2 19970822
			WO 1998-US17232	W 19980820
			US 2000-485845	A3 20000426
			US 2004-962598	A3 20041013
			US 2006-359616	A3 20060223
ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT				
OTHER SOURCE(S): CASREACT 142:261793; MARPAT 142:261793				
GI				



AB The invention relates to amino acid derivs. I [A is a lipophilic group including an aliphatic bridging group, B is a lipophilic group, D is a group having at least one (un)substituted amino group, R is H, alkyl or cycloalkyl] and their pharmaceutically acceptable salts and individual isomers which have growth hormone releasing activity in humans or animals and are useful, e.g., in treating osteoporosis, bone fractures, wounds or burns. Thus, a 2-step synthesis afforded amide II.HCl, which showed growth hormone releasing activity < 10<sup>-8</sup> M.

IT 1042394-85-3

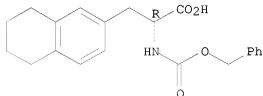
RL: RCT (Reactant); RACT (Reactant or reagent)

(preparation of N-acylated lipophilic amino acid derivs. having growth hormone releasing activity)

RN 1042394-85-3 CAPLUS

CN 2-Naphthalenepropanoic acid, 5,6,7,8-tetrahydro- $\alpha$ -  
[[ (phenylmethoxy)carbonyl]amino]-, ( $\alpha$ R)- (CA INDEX NAME)

Absolute stereochemistry.

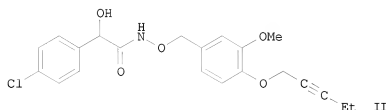
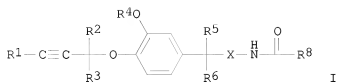


OS.CITING REF COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD  
(1 CITINGS)

REFERENCE COUNT: 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 3 OF 47 CAPLUS COPYRIGHT 2009 ACS on STN  
 ACCESSION NUMBER: 2004:333686 CAPLUS  
 DOCUMENT NUMBER: 140:357056  
 TITLE: Preparation of novel propargyl ether derivatives for  
 controlling phytopathogenic microorganisms  
 INVENTOR(S): Lamberth, Clemens; Zeller, Martin  
 PATENT ASSIGNEE(S): Syngenta Participations Ag, Switz.  
 SOURCE: PCT Int. Appl., 57 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004033413	A2	20040422	WO 2003-EP11218	20031009 <--
WO 2004033413	A3	20040610		
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RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
CA 2498940	A1	20040422	CA 2003-2498940	20031009 <--
AU 2003293609	A1	20040504	AU 2003-293609	20031009 <--
EP 1549609	A2	20050706	EP 2003-788947	20031009
EP 1549609	B1	20070124		
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BR 2003015122	A	20050816	BR 2003-15122	20031009
CN 1703396	A	20051130	CN 2003-80101131	20031009
CN 100390141	C	20080528		
JP 2006502210	T	20060119	JP 2004-542483	20031009
AT 352539	T	20070215	AT 2003-788947	20031009
ES 2277137	T3	20070701	ES 2003-788947	20031009
US 20060167316	A1	20060727	US 2005-528668	20050322
US 7189873	B2	20070313		
IN 2005CN00561	A	20070622	IN 2005-CN561	20050406
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PRIORITY APPLN. INFO.:			GB 2002-23665	A 20021010
			WO 2003-EP11218	W 20031009
ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT				
OTHER SOURCE(S):	MARPAT	140:357056		
GI				



AB The title compds. [I; R1= H, (un)substituted alkyl, cycloalkyl, aryl; R2, R3, R5-R7 = H, alkyl; R4 = (un)substituted alkyl; X = O, NR7; R8 = CR9R10OR11, CR12R13NHSO2R14 (wherein R9 = (un)substituted (hetero)aryl; R10, R11 = H, (un)substituted alkyl, alkenyl, alkynyl; R12 = (un)substituted alkyl, cycloalkyl, aryl, heteroaryl; R13 = H, (un)substituted alkyl, alkenyl or alkynyl; R14 = (un)substituted alkyl, NH2] which possess plant protecting properties and may advantageously be employed in agricultural practice for controlling or preventing the infestation of plants by phytopathogenic microorganisms, especially fungi, were prepared. E.g. a multi-step synthesis of II, starting from 4-hydroxymethyl-2-methoxyphenol and MeCH2C.tplbond.CCH2OH, was given. Representative compds. I showed at least 80% inhibition of fungal infestation in 3 biol. tests.

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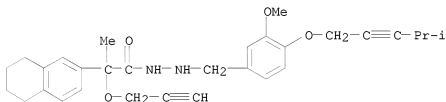
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RL: PRPH (Prophetic)

(Preparation of novel propargyl ether derivatives for controlling  
phytopathogenic microorganisms)

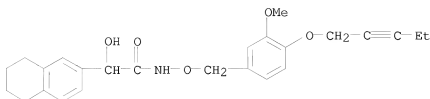
RN 1055763-20-6 CAPLUS

CN INDEX NAME NOT YET ASSIGNED



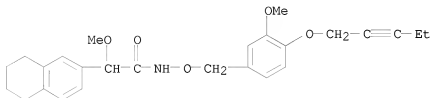
RN 1055764-24-3 CAPLUS

CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro- $\alpha$ -hydroxy-N-[[3-methoxy-4-(2-pentyn-1-yloxy)phenyl]methoxy]- (CA INDEX NAME)



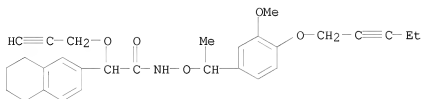
RN 1055764-25-4 CAPLUS

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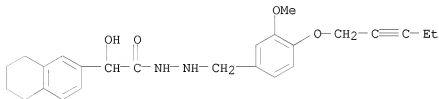
RN 1055764-26-5 CAPLUS

CN INDEX NAME NOT YET ASSIGNED



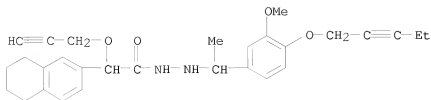
RN 1055764-27-6 CAPLUS

CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro-α-hydroxy-, 2-[[3-methoxy-4-(2-pentyn-1-yloxy)phenyl]methyl]hydrazide (CA INDEX NAME)



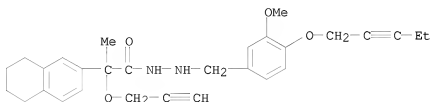
RN 1055764-28-7 CAPLUS

CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro-α-(2-propyn-1-yloxy)-, 2-[1-[3-methoxy-4-(2-pentyn-1-yloxy)phenyl]ethyl]hydrazide (CA INDEX NAME)



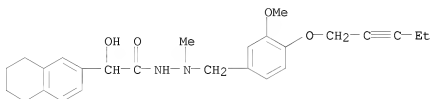
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CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro-α-methyl-α-(2-propyn-1-yloxy)-, 2-[[3-methoxy-4-(2-pentyn-1-yloxy)phenyl]methyl]hydrazide (CA INDEX NAME)



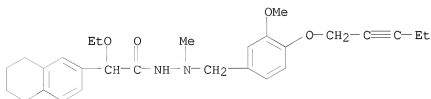
RN 1055764-30-1 CAPLUS

CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro-α-hydroxy-, 2-[[3-methoxy-4-(2-pentyn-1-yloxy)phenyl]methyl]-2-methylhydrazide (CA INDEX NAME)



RN 1055764-31-2 CAPLUS

CN 2-Naphthaleneacetic acid, α-ethoxy-5,6,7,8-tetrahydro-, 2-[[3-methoxy-4-(2-pentyn-1-yloxy)phenyl]methyl]-2-methylhydrazide (CA INDEX NAME)

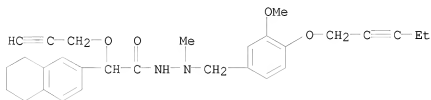


RN 1055764-32-3 CAPLUS

CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro-α-(2-propyn-1-yloxy)-, 2-[[3-methoxy-4-(2-pentyn-1-yloxy)phenyl]methyl]hydrazide (CA INDEX NAME)

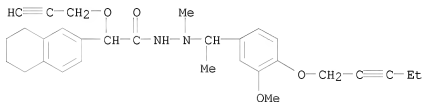


2-[[3-methoxy-4-(2-pentyn-1-yloxy)phenyl]methyl]-2-methylhydrazide (CA INDEX NAME)



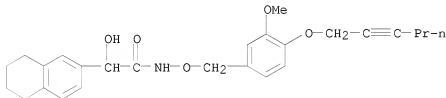
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CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- $\alpha$ -(2-propyn-1-yloxy)-, 2-[1-[3-methoxy-4-(2-pentyn-1-yloxy)phenyl]ethyl]-2-methylhydrazide (CA INDEX NAME)



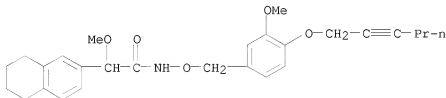
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CN 2-Naphthaleneacetamide, N-[[4-(2-hexyn-1-yloxy)-3-methoxyphenyl]methoxy]-5,6,7,8-tetrahydro- $\alpha$ -hydroxy- (CA INDEX NAME)



RN 1055765-37-1 CAPLUS

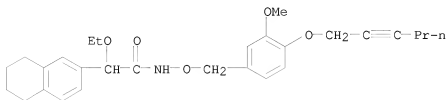
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RN 1055765-38-2 CAPLUS

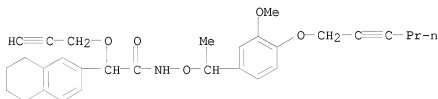
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CN 2-Naphthaleneacetamide,  $\alpha$ -ethoxy-N-[[4-(2-hexyn-1-yloxy)-3-methoxyphenyl]methoxy]-5,6,7,8-tetrahydro- (CA INDEX NAME)



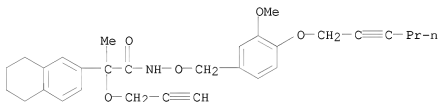
RN 1055765-39-3 CAPLUS

CN 2-Naphthaleneacetamide, N-[1-[4-(2-hexyn-1-yloxy)-3-methoxyphenyl]ethoxy]-5,6,7,8-tetrahydro- $\alpha$ -(2-propyn-1-yloxy)- (CA INDEX NAME)



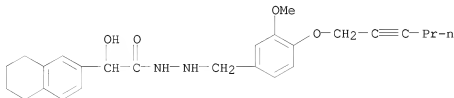
RN 1055765-40-6 CAPLUS

CN 2-Naphthaleneacetamide, N-[[4-(2-hexyn-1-yloxy)-3-methoxyphenyl]methoxy]-5,6,7,8-tetrahydro- $\alpha$ -methyl- $\alpha$ -(2-propyn-1-yloxy)- (CA INDEX NAME)



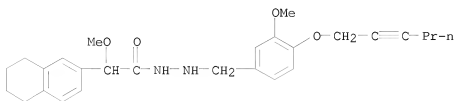
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CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- $\alpha$ -hydroxy-, 2-[[4-(2-hexyn-1-yloxy)-3-methoxyphenyl]methyl]hydrazide (CA INDEX NAME)



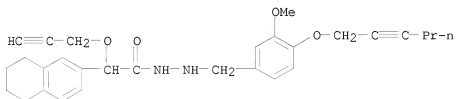
RN 1055765-42-8 CAPLUS

CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- $\alpha$ -methoxy-,  
2-[[4-(2-hexyn-1-yloxy)-3-methoxyphenyl]methyl]hydrazide (CA INDEX NAME)



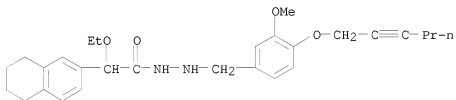
RN 1055765-43-9 CAPLUS

CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- $\alpha$ -(2-propyn-1-yloxy)-,  
2-[[4-(2-hexyn-1-yloxy)-3-methoxyphenyl]methyl]hydrazide (CA INDEX NAME)



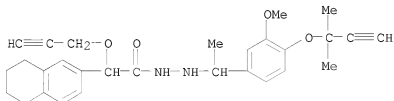
RN 1055765-44-0 CAPLUS

CN 2-Naphthaleneacetic acid,  $\alpha$ -ethoxy-5,6,7,8-tetrahydro-,  
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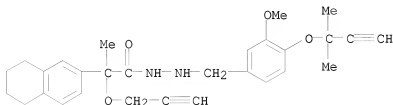
RN 1055766-37-4 CAPLUS

CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- $\alpha$ -(2-propyn-1-yloxy)-,  
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(CA INDEX NAME)



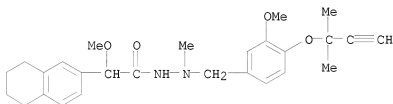
RN 1055766-38-5 CAPLUS

CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- $\alpha$ -methyl- $\alpha$ -(2-propyn-1-yloxy)-, 2-[[4-[(1,1-dimethyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]methyl]hydrazide (CA INDEX NAME)



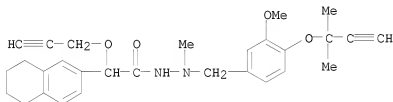
RN 1055766-39-6 CAPLUS

CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- $\alpha$ -methoxy-, 2-[[4-[(1,1-dimethyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]methyl]-2-methylhydrazide (CA INDEX NAME)



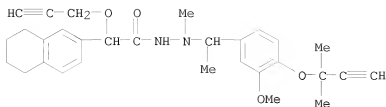
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CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- $\alpha$ -(2-propyn-1-yloxy)-, 2-[[4-[(1,1-dimethyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]methyl]-2-methylhydrazide (CA INDEX NAME)



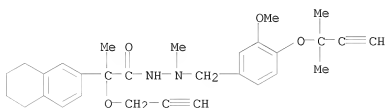
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CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- $\alpha$ -(2-propyn-1-yloxy)-, 2-[1-[4-[(1,1-dimethyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]ethyl]-2-methylhydrazide (CA INDEX NAME)



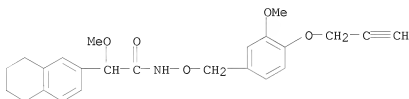
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CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro-α-methyl-α-(2-propyn-1-yloxy)-, 2-[[4-[(1,1-dimethyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]methyl]-2-methylhydrazide (CA INDEX NAME)



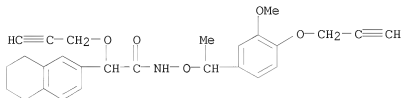
RN 1055767-03-7 CAPLUS

CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-α-methoxy-N-[1-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]methoxy]- (CA INDEX NAME)



RN 1055767-04-8 CAPLUS

CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-α-methoxy-N-[1-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethoxy]-α-(2-propyn-1-yloxy)- (CA INDEX NAME)

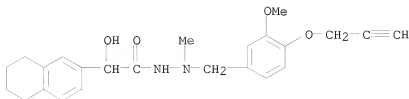


RN 1055767-05-9 CAPLUS

CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro-α-hydroxy-, 2-[[3-methoxy-4-(2-propyn-1-yloxy)phenyl]methyl]-2-methylhydrazide (CA INDEX NAME)

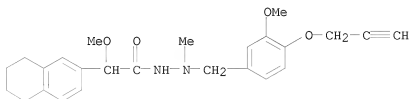
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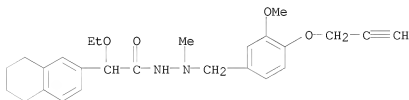
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CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro-α-methoxy-,  
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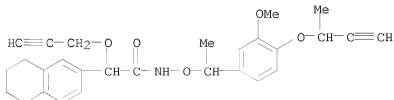
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CN 2-Naphthaleneacetic acid, α-ethoxy-5,6,7,8-tetrahydro-,  
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INDEX NAME)



RN 1055767-31-1 CAPLUS

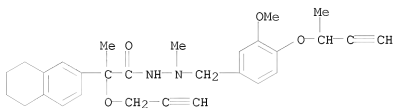
CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[1-[3-methoxy-4-[(1-methyl-2-propyn-1-yl)oxy]phenyl]ethoxy]-α-(2-propyn-1-yloxy)- (CA INDEX  
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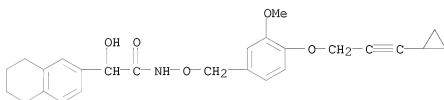
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CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- $\alpha$ -methyl- $\alpha$ -(2-propyn-1-yloxy)-, 2-[[3-methoxy-4-[(1-methyl-2-propyn-1-yl)oxy]phenyl]methyl]-2-methylhydrazide (CA INDEX NAME)



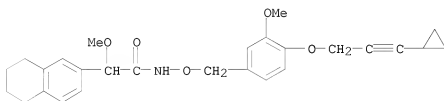
RN 1055768-24-5 CAPLUS

CN 2-Naphthaleneacetamide, N-[[4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]methoxy]-5,6,7,8-tetrahydro- $\alpha$ -hydroxy- (CA INDEX NAME)



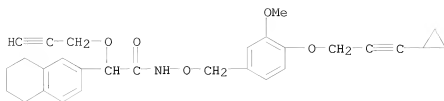
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CN 2-Naphthaleneacetamide, N-[[4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]methoxy]-5,6,7,8-tetrahydro- $\alpha$ -methoxy- (CA INDEX NAME)



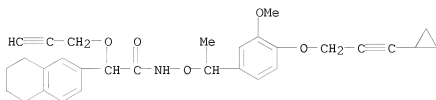
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CN 2-Naphthaleneacetamide, N-[[4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]methoxy]-5,6,7,8-tetrahydro- $\alpha$ -(2-propyn-1-yloxy)- (CA INDEX NAME)



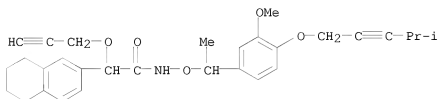
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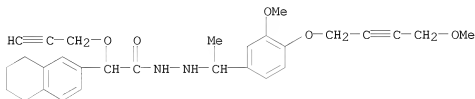
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CN INDEX NAME NOT YET ASSIGNED



RN 1055769-27-1 CAPLUS

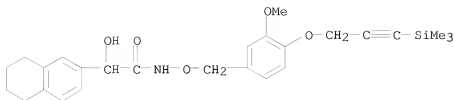
CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro-α-(2-propyn-1-yloxy)-, 2-[1-[3-methoxy-4-[(4-methoxy-2-butyn-1-yl)oxy]phenyl]ethyl]hydrazide (CA INDEX NAME)



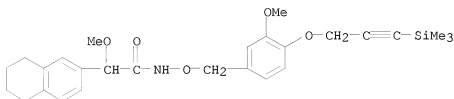
RN 1055769-95-3 CAPLUS

CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-α-hydroxy-N-[1[3-methoxy-4-[[3-(trimethylsilyl)-2-propyn-1-yl]oxy]phenyl]methoxy]- (CA INDEX NAME)

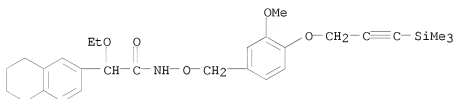




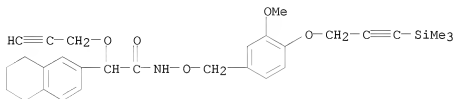
RN 1055769-96-4 CAPLUS

CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro- $\alpha$ -methoxy-N-[[3-methoxy-4-[[3-(trimethylsilyl)-2-propyn-1-yl]oxy]phenyl]methoxy]- (CA INDEX NAME)

RN 1055769-97-5 CAPLUS

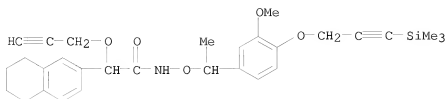
CN 2-Naphthaleneacetamide,  $\alpha$ -ethoxy-5,6,7,8-tetrahydro-N-[[3-methoxy-4-[[3-(trimethylsilyl)-2-propyn-1-yl]oxy]phenyl]methoxy]- (CA INDEX NAME)

RN 1055769-98-6 CAPLUS

CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[[3-methoxy-4-[[3-(trimethylsilyl)-2-propyn-1-yl]oxy]phenyl]methoxy]- $\alpha$ -(2-propyn-1-yloxy)- (CA INDEX NAME)

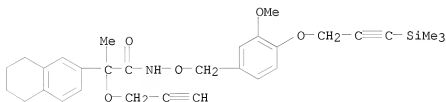
RN 1055769-99-7 CAPLUS

CN INDEX NAME NOT YET ASSIGNED



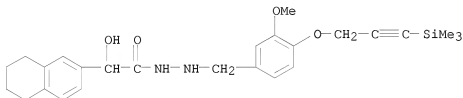
RN 1055770-00-7 CAPLUS

CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[[3-methoxy-4-[[3-(trimethylsilyl)-2-propyn-1-yl]oxy]phenyl]methoxy]-α-methyl-α-(2-propyn-1-yloxy)- (CA INDEX NAME)



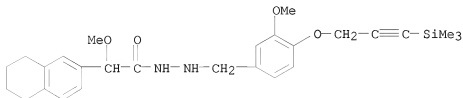
RN 1055770-01-8 CAPLUS

CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro-α-hydroxy-, 2-[[3-methoxy-4-[[3-(trimethylsilyl)-2-propyn-1-yl]oxy]phenyl]methyl]hydrazide (CA INDEX NAME)



RN 1055770-02-9 CAPLUS

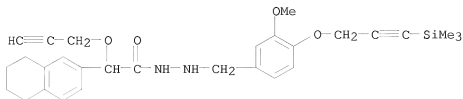
CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro-α-methoxy-, 2-[[3-methoxy-4-[[3-(trimethylsilyl)-2-propyn-1-yl]oxy]phenyl]methyl]hydrazide (CA INDEX NAME)



RN 1055770-03-0 CAPLUS

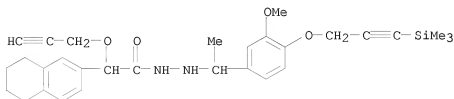
CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro-α-(2-propyn-1-yloxy)-, 2-[[3-methoxy-4-[[3-(trimethylsilyl)-2-propyn-1-

yl]oxy]phenyl)methyl]hydrazide (CA INDEX NAME)



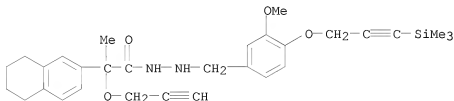
RN 1055770-04-1 CAPLUS

CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro-α-(2-propyn-1-yloxy)-, 2-[1-[3-methoxy-4-[[3-(trimethylsilyl)-2-propyn-1-yl]oxy]phenyl]methyl]hydrazide (CA INDEX NAME)



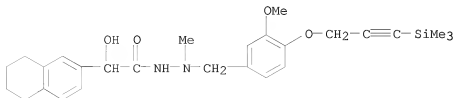
RN 1055770-05-2 CAPLUS

CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro-α-methyl-α-(2-propyn-1-yloxy)-, 2-[1-[3-methoxy-4-[[3-(trimethylsilyl)-2-propyn-1-yl]oxy]phenyl]methyl]hydrazide (CA INDEX NAME)



RN 1055770-06-3 CAPLUS

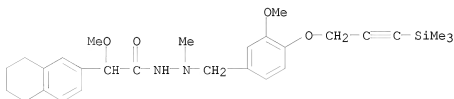
CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro-α-hydroxy-α-(2-propyn-1-yloxy)-, 2-[1-[3-methoxy-4-[[3-(trimethylsilyl)-2-propyn-1-yl]oxy]phenyl]methyl]hydrazide (CA INDEX NAME)



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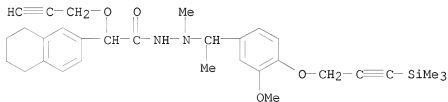
RN 1055770-07-4 CAPLUS

CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- $\alpha$ -methoxy-,  
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methylhydrazide (CA INDEX NAME)



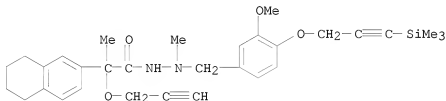
RN 1055770-08-5 CAPLUS

CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- $\alpha$ -(2-propyn-1-yloxy)-,  
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methylhydrazide (CA INDEX NAME)



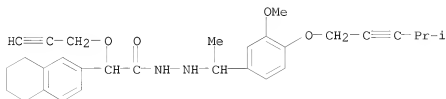
RN 1055770-09-6 CAPLUS

CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- $\alpha$ -methyl- $\alpha$ -(2-  
propyn-1-yloxy)-, 2-[[3-methoxy-4-[[3-(trimethylsilyl)-2-propyn-1-  
yl]oxy]phenyl]methyl]-2-methylhydrazide (CA INDEX NAME)

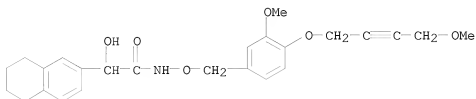


RN 1055770-97-2 CAPLUS

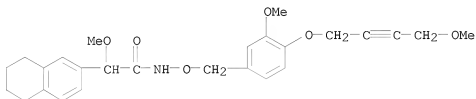
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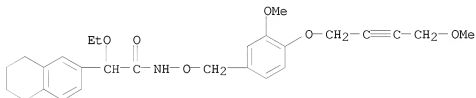
RN 1055771-22-6 CAPLUS

CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro- $\alpha$ -hydroxy-N-[[3-methoxy-4-[(4-methoxy-2-butyne-1-yl)oxy]phenyl]methoxy]- (CA INDEX NAME)

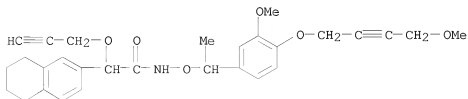
RN 1055771-23-7 CAPLUS

CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro- $\alpha$ -methoxy-N-[[3-methoxy-4-[(4-methoxy-2-butyne-1-yl)oxy]phenyl]methoxy]- (CA INDEX NAME)

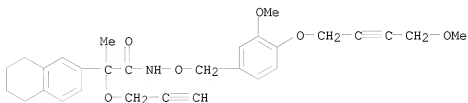
RN 1055771-24-8 CAPLUS

CN 2-Naphthaleneacetamide,  $\alpha$ -ethoxy-5,6,7,8-tetrahydro-N-[[3-methoxy-4-[(4-methoxy-2-butyne-1-yl)oxy]phenyl]methoxy]- (CA INDEX NAME)

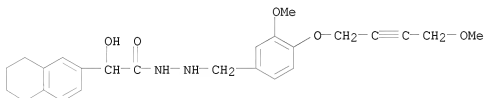
RN 1055771-25-9 CAPLUS

CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[1-[3-methoxy-4-[(4-methoxy-2-butyne-1-yl)oxy]phenyl]ethoxy]- $\alpha$ -(2-propyne-1-yloxy)- (CA INDEX NAME)

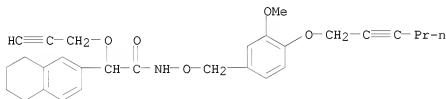
RN 1055771-26-0 CAPLUS

CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[[3-methoxy-4-[(4-methoxy-2-butyn-1-yl)oxy]phenyl]methoxy]- $\alpha$ -methyl- $\alpha$ -(2-propyn-1-yloxy)-  
(CA INDEX NAME)

RN 1055771-27-1 CAPLUS

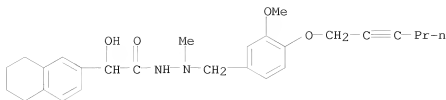
CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- $\alpha$ -hydroxy-,  
2-[[3-methoxy-4-[(4-methoxy-2-butyn-1-yl)oxy]phenyl]methyl]hydrazide (CA  
INDEX NAME)

RN 1055771-91-9 CAPLUS

CN 2-Naphthaleneacetamide, N-[[4-(2-hexyn-1-yloxy)-3-methoxyphenyl]methoxy]-  
5,6,7,8-tetrahydro- $\alpha$ -(2-propyn-1-yloxy)- (CA INDEX NAME)

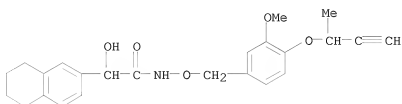
RN 1055772-00-3 CAPLUS

CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- $\alpha$ -hydroxy-,  
2-[[4-(2-hexyn-1-yloxy)-3-methoxyphenyl]methyl]-2-methylhydrazide (CA  
INDEX NAME)



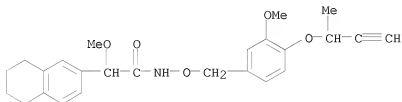
RN 1055772-94-5 CAPLUS

CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-α-hydroxy-N-[(3-methoxy-4-[(1-methyl-2-propyn-1-yl)oxy]phenyl)methoxy]- (CA INDEX NAME)



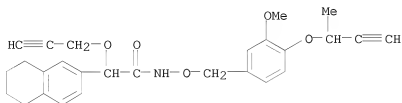
RN 1055772-95-6 CAPLUS

CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-α-methoxy-N-[(3-methoxy-4-[(1-methyl-2-propyn-1-yl)oxy]phenyl)methoxy]- (CA INDEX NAME)



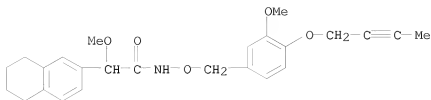
RN 1055772-96-7 CAPLUS

CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[(3-methoxy-4-[(1-methyl-2-propyn-1-yl)oxy]phenyl)methoxy]-α-(2-propyn-1-yloxy)- (CA INDEX NAME)



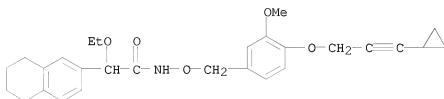
RN 1055773-09-5 CAPLUS

CN 2-Naphthaleneacetamide, N-[[4-(2-butyn-1-yloxy)-3-methoxyphenyl)methoxy]-5,6,7,8-tetrahydro-α-methoxy- (CA INDEX NAME)



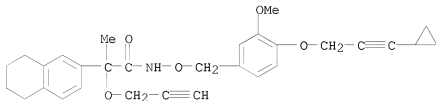
RN 1055774-87-2 CAPLUS

CN 2-Naphthaleneacetamide, N-[[4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]methoxy]-α-ethoxy-5,6,7,8-tetrahydro- (CA INDEX NAME)



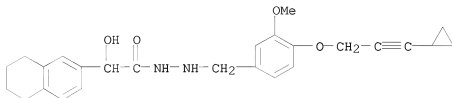
RN 1055774-89-4 CAPLUS

CN 2-Naphthaleneacetamide, N-[[4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]methoxy]-5,6,7,8-tetrahydro-α-methyl-α-(2-propyn-1-yloxy)- (CA INDEX NAME)



RN 1055774-90-7 CAPLUS

CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro-α-hydroxy-, 2-[[4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]methyl]hydrazide (CA INDEX NAME)

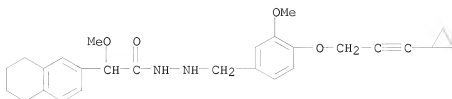


RN 1055774-91-8 CAPLUS

CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro-α-methoxy-, 2-[[4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]methyl]hydrazide (CA INDEX NAME)

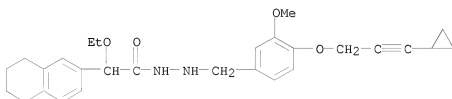


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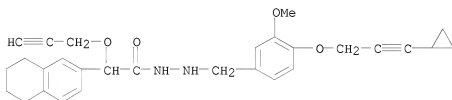
RN 1055774-92-9 CAPLUS

CN 2-Naphthaleneacetic acid,  $\alpha$ -ethoxy-5,6,7,8-tetrahydro-,  
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(CA INDEX NAME)



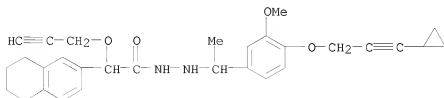
RN 1055774-93-0 CAPLUS

CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- $\alpha$ -(2-propyn-1-yloxy)-,  
2-[[4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]methyl]hydrazide  
(CA INDEX NAME)



RN 1055774-94-1 CAPLUS

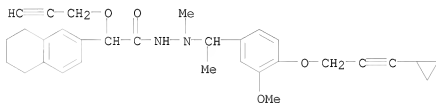
CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- $\alpha$ -(2-propyn-1-yloxy)-,  
2-[1-[4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]ethyl]hydrazide  
(CA INDEX NAME)



10/513699

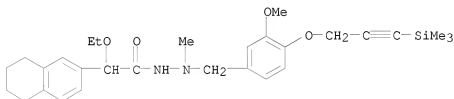
RN 1055774-95-2 CAPLUS

CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- $\alpha$ -(2-propyn-1-yloxy)-, 2-[1-[4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]ethyl]-2-methylhydrazide (CA INDEX NAME)



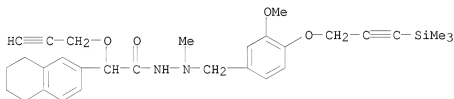
RN 1055775-30-8 CAPLUS

CN 2-Naphthaleneacetic acid,  $\alpha$ -ethoxy-5,6,7,8-tetrahydro-, 2-[[3-methoxy-4-[[3-(trimethylsilyl)-2-propyn-1-yl]oxy]phenyl]methyl]-2-methylhydrazide (CA INDEX NAME)



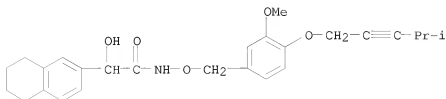
RN 1055775-31-9 CAPLUS

CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- $\alpha$ -(2-propyn-1-yloxy)-, 2-[[3-methoxy-4-[[3-(trimethylsilyl)-2-propyn-1-yl]oxy]phenyl]methyl]-2-methylhydrazide (CA INDEX NAME)



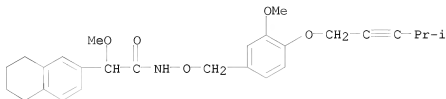
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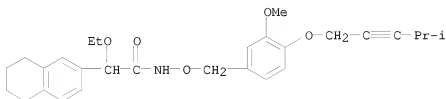


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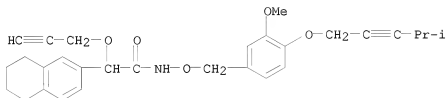
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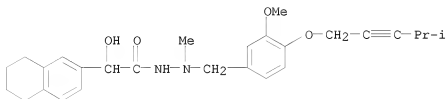
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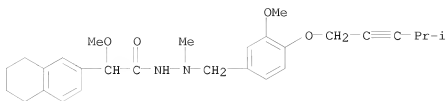


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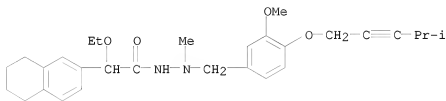


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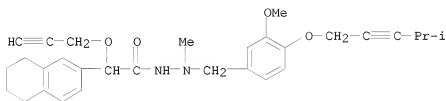
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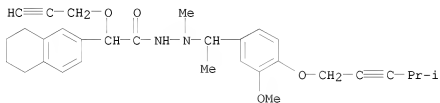
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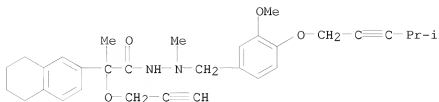
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RN 1055775-77-3 CAPLUS  
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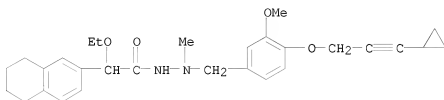


RN 1055775-78-4 CAPLUS  
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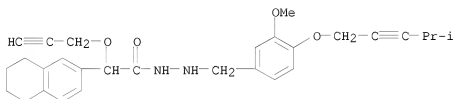
RN 1055775-89-7 CAPLUS

CN 2-Naphthaleneacetic acid,  $\alpha$ -ethoxy-5,6,7,8-tetrahydro-,  
2-[[4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]methyl]-2-  
methylhydrazide (CA INDEX NAME)



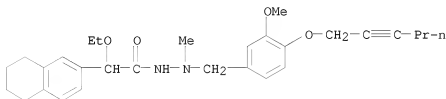
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CN INDEX NAME NOT YET ASSIGNED



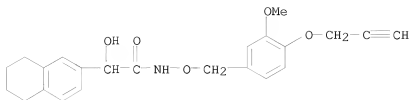
RN 1055776-74-3 CAPLUS

CN 2-Naphthaleneacetic acid,  $\alpha$ -ethoxy-5,6,7,8-tetrahydro-,  
2-[[4-(2-hexyn-1-yloxy)-3-methoxyphenyl]methyl]-2-methylhydrazide (CA  
INDEX NAME)

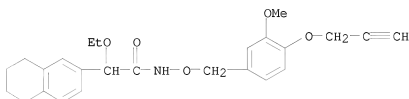


RN 1055776-95-8 CAPLUS

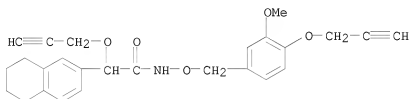
CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro- $\alpha$ -hydroxy-N-[[3-methoxy-4-  
(2-propyn-1-yloxy)phenyl]methoxy]- (CA INDEX NAME)



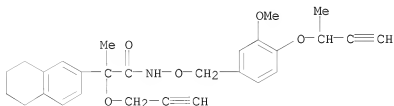
RN 1055776-96-9 CAPLUS

CN 2-Naphthaleneacetamide,  $\alpha$ -ethoxy-5,6,7,8-tetrahydro-N-[[3-methoxy-4-(2-propyn-1-yloxy)phenyl]methoxy]- (CA INDEX NAME)

RN 1055776-97-0 CAPLUS

CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[[3-methoxy-4-(2-propyn-1-yloxy)phenyl]methoxy]- $\alpha$ -(2-propyn-1-yloxy)- (CA INDEX NAME)

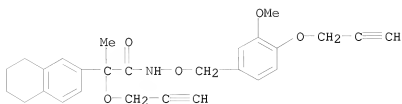
RN 1055777-87-1 CAPLUS

CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[[3-methoxy-4-[(1-methyl-2-propyn-1-yloxy)phenyl]methoxy]- $\alpha$ -methyl- $\alpha$ -(2-propyn-1-yloxy)- (CA INDEX NAME)

RN 1055777-95-1 CAPLUS

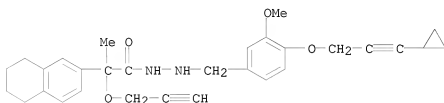
CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[[3-methoxy-4-(2-propyn-1-yloxy)phenyl]methoxy]- $\alpha$ -methyl- $\alpha$ -(2-propyn-1-yloxy)- (CA INDEX NAME)

## INDEX NAME)



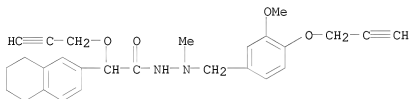
RN 1055778-06-7 CAPLUS

CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro-α-methyl-α-(2-propyn-1-yloxy)-, 2-[[4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]methyl]hydrazide (CA INDEX NAME)



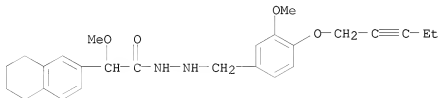
RN 1055778-37-4 CAPLUS

CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro-α-(2-propyn-1-yloxy)-, 2-[[3-methoxy-4-(2-propyn-1-yloxy)phenyl]methyl]-2-methylhydrazide (CA INDEX NAME)



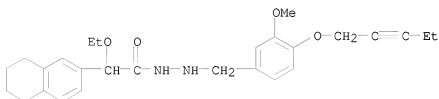
RN 1055778-58-9 CAPLUS

CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro-α-methoxy-, 2-[[3-methoxy-4-(2-pentyn-1-yloxy)phenyl]methyl]hydrazide (CA INDEX NAME)



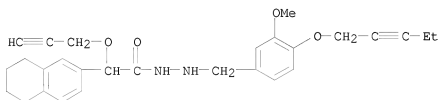
RN 1055778-59-0 CAPLUS

CN 2-Naphthaleneacetic acid,  $\alpha$ -ethoxy-5,6,7,8-tetrahydro-,  
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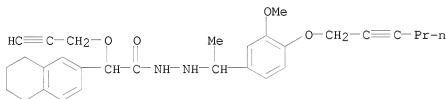
RN 1055778-60-3 CAPLUS

CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- $\alpha$ -(2-propyn-1-yloxy)-,  
2-[[3-methoxy-4-(2-pentyn-1-yloxy)phenyl]methyl]hydrazide (CA INDEX NAME)



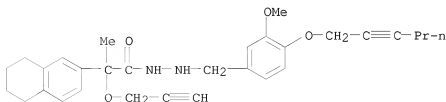
RN 1055778-70-5 CAPLUS

CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- $\alpha$ -(2-propyn-1-yloxy)-,  
2-[1-[4-(2-hexyn-1-yloxy)-3-methoxyphenyl]ethyl]hydrazide (CA INDEX NAME)



RN 1055778-71-6 CAPLUS

CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- $\alpha$ -methyl- $\alpha$ -(2-propyn-1-yloxy)-, 2-[[4-(2-hexyn-1-yloxy)-3-methoxyphenyl]methyl]hydrazide  
(CA INDEX NAME)

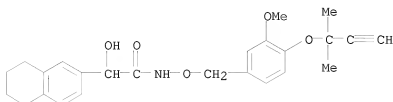


RN 1055779-76-4 CAPLUS



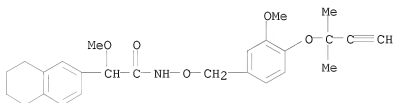
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CN 2-Naphthaleneacetamide, N-[[4-[(1,1-dimethyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]methoxy]-5,6,7,8-tetrahydro- $\alpha$ -hydroxy- (CA INDEX NAME)



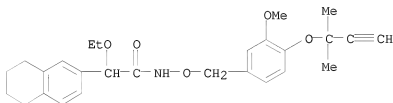
RN 1055779-77-5 CAPLUS

CN 2-Naphthaleneacetamide, N-[[4-[(1,1-dimethyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]methoxy]-5,6,7,8-tetrahydro- $\alpha$ -methoxy- (CA INDEX NAME)



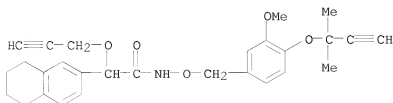
RN 1055779-78-6 CAPLUS

CN 2-Naphthaleneacetamide, N-[[4-[(1,1-dimethyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]methoxy]- $\alpha$ -ethoxy-5,6,7,8-tetrahydro- (CA INDEX NAME)

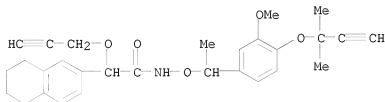


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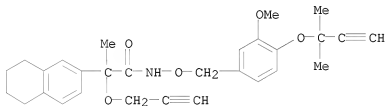
CN 2-Naphthaleneacetamide, N-[[4-[(1,1-dimethyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]methoxy]-5,6,7,8-tetrahydro- $\alpha$ -(2-propyn-1-yloxy)- (CA INDEX NAME)



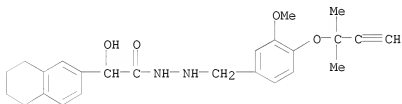
RN 1055779-80-0 CAPLUS

CN 2-Naphthaleneacetamide, N-[1-[4-[(1,1-dimethyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]ethoxy]-5,6,7,8-tetrahydro- $\alpha$ -(2-propyn-1-yloxy)- (CA INDEX NAME)

RN 1055779-81-1 CAPLUS

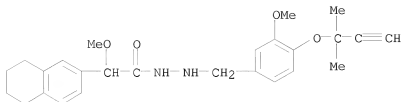
CN 2-Naphthaleneacetamide, N-[1-[4-[(1,1-dimethyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]methoxy]-5,6,7,8-tetrahydro- $\alpha$ -methyl- $\alpha$ -(2-propyn-1-yloxy)- (CA INDEX NAME)

RN 1055779-82-2 CAPLUS

CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- $\alpha$ -hydroxy-, 2-[1-[4-[(1,1-dimethyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]methyl]hydrazide (CA INDEX NAME)

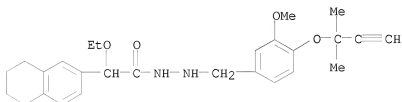
RN 1055779-83-3 CAPLUS

CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- $\alpha$ -methoxy-, 2-[1-[4-[(1,1-dimethyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]methyl]hydrazide (CA INDEX NAME)



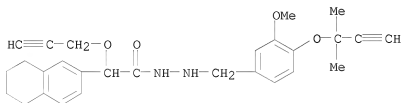
RN 1055779-84-4 CAPLUS

CN 2-Naphthaleneacetic acid,  $\alpha$ -ethoxy-5,6,7,8-tetrahydro-,  
2-[[4-[(1,1-dimethyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]methyl]hydrazide  
(CA INDEX NAME)



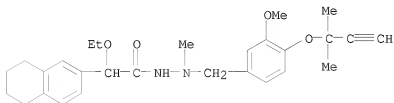
RN 1055779-85-5 CAPLUS

CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- $\alpha$ -(2-propyn-1-yloxy)-,  
2-[[4-[(1,1-dimethyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]methyl]hydrazide  
(CA INDEX NAME)



RN 1055779-86-6 CAPLUS

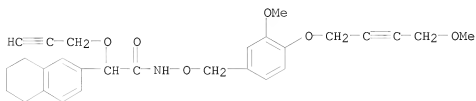
CN 2-Naphthaleneacetic acid,  $\alpha$ -ethoxy-5,6,7,8-tetrahydro-,  
2-[[4-[(1,1-dimethyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]methyl]-2-  
methylhydrazide (CA INDEX NAME)



RN 1055780-35-2 CAPLUS

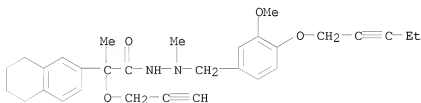
CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[[3-methoxy-4-[(4-methoxy-2-  
propyn-1-yl)oxy]-1-methylphenyl]methyl] (CA INDEX NAME)

butyn-1-yl)oxy]phenyl]methoxy]- $\alpha$ -(2-propyn-1-yloxy)- (CA INDEX NAME)



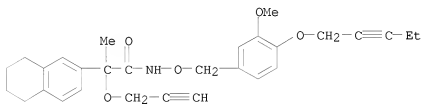
RN 1055780-93-2 CAPLUS

CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- $\alpha$ -methyl- $\alpha$ -(2-propyn-1-yloxy)-, 2-[[3-methoxy-4-(2-pentyn-1-yloxy)phenyl]methyl]-2-methylhydrazide (CA INDEX NAME)



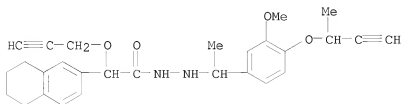
RN 1055781-13-9 CAPLUS

CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[[3-methoxy-4-(2-pentyn-1-yloxy)phenyl]methoxy]- $\alpha$ -methyl- $\alpha$ -(2-propyn-1-yloxy)- (CA INDEX NAME)

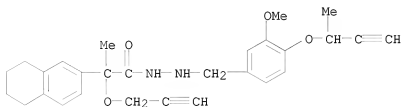


RN 1055782-11-0 CAPLUS

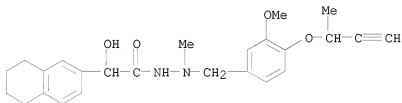
CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- $\alpha$ -(2-propyn-1-yloxy)-, 2-[[1-[3-methoxy-4-(1-methyl-2-propyn-1-yl)oxy]phenyl]ethyl]hydrazide (CA INDEX NAME)



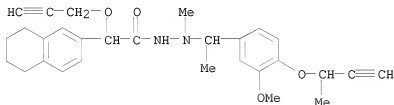
RN 1055782-12-1 CAPLUS

CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- $\alpha$ -methyl- $\alpha$ -(2-propyn-1-yloxy)-, 2-[[3-methoxy-4-[(1-methyl-2-propyn-1-yl)oxy]phenyl]methyl]hydrazide (CA INDEX NAME)

RN 1055782-13-2 CAPLUS

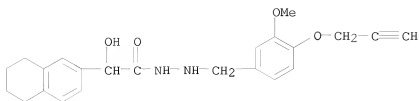
CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- $\alpha$ -hydroxy-, 2-[[3-methoxy-4-[(1-methyl-2-propyn-1-yl)oxy]phenyl]methyl]-2-methylhydrazide (CA INDEX NAME)

RN 1055782-14-3 CAPLUS

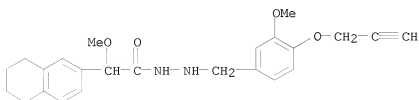
CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- $\alpha$ -(2-propyn-1-yloxy)-, 2-[1-[3-methoxy-4-[(1-methyl-2-propyn-1-yl)oxy]phenyl]ethyl]-2-methylhydrazide (CA INDEX NAME)

RN 1055782-36-9 CAPLUS

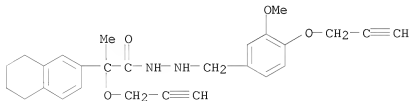
CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- $\alpha$ -hydroxy-, 2-[[3-methoxy-4-(2-propyn-1-yloxy)phenyl]methyl]hydrazide (CA INDEX NAME)



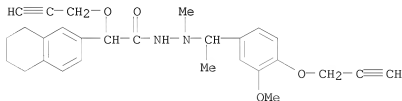
RN 1055782-37-0 CAPLUS  
 CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro-α-methoxy-,  
 2-[[3-methoxy-4-(2-propyn-1-yloxy)phenyl]methyl]hydrazide (CA INDEX NAME)



RN 1055782-38-1 CAPLUS  
 CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro-α-methyl-α-(2-  
 propyn-1-yloxy)-, 2-[[3-methoxy-4-(2-propyn-1-  
 yloxy)phenyl]methyl]hydrazide (CA INDEX NAME)

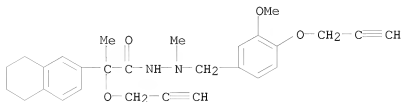


RN 1055782-39-2 CAPLUS  
 CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro-α-(2-propyn-1-yloxy)-,  
 2-[1-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-2-methylhydrazide (CA  
 INDEX NAME)

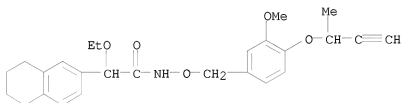


RN 1055782-40-5 CAPLUS  
 CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro-α-methyl-α-(2-  
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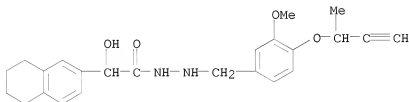
methylhydrazide (CA INDEX NAME)



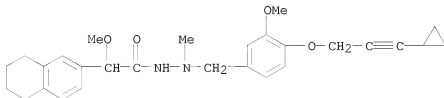
RN 1055782-91-6 CAPLUS

CN 2-Naphthaleneacetamide,  $\alpha$ -ethoxy-5,6,7,8-tetrahydro-N-[[3-methoxy-4-[(1-methyl-2-propyn-1-yl)oxy]phenyl]methoxy]- (CA INDEX NAME)

RN 1055782-92-7 CAPLUS

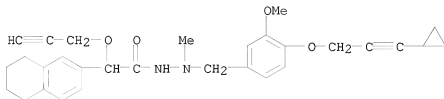
CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- $\alpha$ -hydroxy-, 2-[[[3-methoxy-4-[(1-methyl-2-propyn-1-yl)oxy]phenyl]methyl]hydrazide (CA INDEX NAME)

RN 1055783-85-1 CAPLUS

CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- $\alpha$ -methoxy-, 2-[[[4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]methyl]-2-methylhydrazide (CA INDEX NAME)

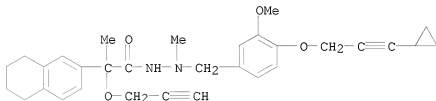
RN 1055783-86-2 CAPLUS

CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- $\alpha$ -(2-propyn-1-yloxy)-, 2-[[4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl)methyl]-2-methylhydrazide (CA INDEX NAME)



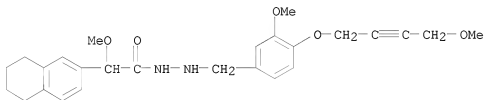
RN 1055783-87-3 CAPLUS

CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- $\alpha$ -methyl- $\alpha$ -(2-propyn-1-yloxy)-, 2-[[4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl)methyl]-2-methylhydrazide (CA INDEX NAME)



RN 1055784-30-9 CAPLUS

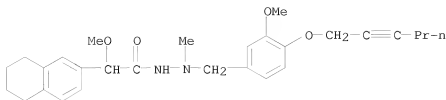
CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- $\alpha$ -methoxy-, 2-[[3-methoxy-4-[(4-methoxy-2-butyn-1-yl)oxy]phenyl)methyl]hydrazide (CA INDEX NAME)



RN 1055784-57-0 CAPLUS

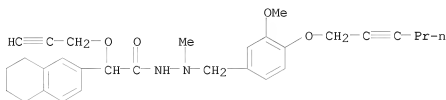
CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- $\alpha$ -methoxy-, 2-[[4-(2-hexyn-1-yloxy)-3-methoxyphenyl)methyl]-2-methylhydrazide (CA INDEX NAME)





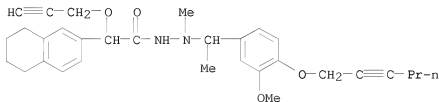
RN 1055784-58-1 CAPLUS

CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- $\alpha$ -(2-propyn-1-yloxy)-,  
2-[[4-(2-hexyn-1-yloxy)-3-methoxyphenyl]methyl]-2-methylhydrazide (CA  
INDEX NAME)



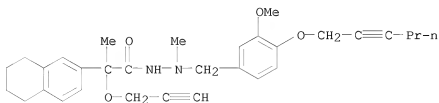
RN 1055784-59-2 CAPLUS

CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- $\alpha$ -(2-propyn-1-yloxy)-,  
2-[1-[4-(2-hexyn-1-yloxy)-3-methoxyphenyl]ethyl]-2-methylhydrazide (CA  
INDEX NAME)



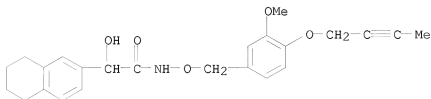
RN 1055784-60-5 CAPLUS

CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- $\alpha$ -methyl- $\alpha$ -(2-  
propyn-1-yloxy)-, 2-[[4-(2-hexyn-1-yloxy)-3-methoxyphenyl]methyl]-2-  
methylhydrazide (CA INDEX NAME)

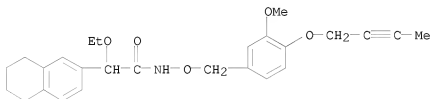


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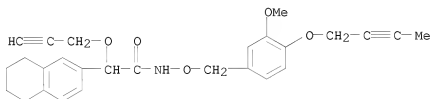
CN 2-Naphthaleneacetamide, N-[[4-(2-butyn-1-yloxy)-3-methoxyphenyl]methoxy]-

5,6,7,8-tetrahydro- $\alpha$ -hydroxy- (CA INDEX NAME)

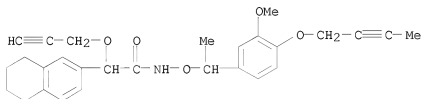
RN 1055784-90-1 CAPLUS

CN 2-Naphthaleneacetamide, N-[[4-(2-butyne-1-yloxy)-3-methoxyphenyl]methoxy]- $\alpha$ -ethoxy-5,6,7,8-tetrahydro- (CA INDEX NAME)

RN 1055784-91-2 CAPLUS

CN 2-Naphthaleneacetamide, N-[[4-(2-butyne-1-yloxy)-3-methoxyphenyl]methoxy]-5,6,7,8-tetrahydro- $\alpha$ -(2-propyn-1-yloxy)- (CA INDEX NAME)

RN 1055784-92-3 CAPLUS

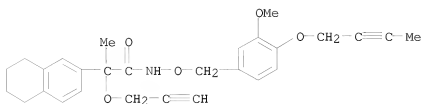
CN 2-Naphthaleneacetamide, N-[1-[4-(2-butyne-1-yloxy)-3-methoxyphenyl]ethoxy]-5,6,7,8-tetrahydro- $\alpha$ -(2-propyn-1-yloxy)- (CA INDEX NAME)

RN 1055784-93-4 CAPLUS

CN 2-Naphthaleneacetamide, N-[[4-(2-butyne-1-yloxy)-3-methoxyphenyl]methoxy]-5,6,7,8-tetrahydro- $\alpha$ -methyl- $\alpha$ -(2-propyn-1-yloxy)- (CA INDEX NAME)

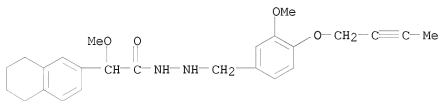
10/513699

NAME)



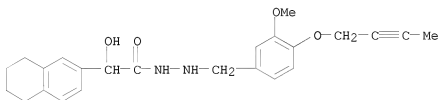
RN 1055784-94-5 CAPLUS

CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro-α-methoxy-,  
2-[[4-(2-butyn-1-yloxy)-3-methoxyphenyl]methyl]hydrazide (CA INDEX NAME)



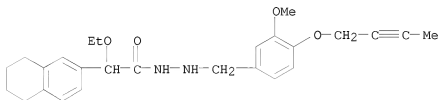
RN 1055784-95-6 CAPLUS

CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro-α-hydroxy-,  
2-[[4-(2-butyn-1-yloxy)-3-methoxyphenyl]methyl]hydrazide (CA INDEX NAME)



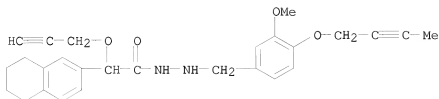
RN 1055784-96-7 CAPLUS

CN 2-Naphthaleneacetic acid, α-ethoxy-5,6,7,8-tetrahydro-,  
2-[[4-(2-butyn-1-yloxy)-3-methoxyphenyl]methyl]hydrazide (CA INDEX NAME)

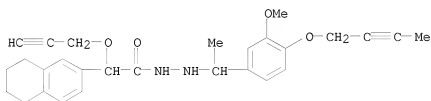


RN 1055784-97-8 CAPLUS

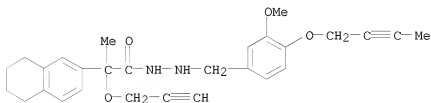
CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro-α-(2-propyn-1-yloxy)-,  
2-[[4-(2-butyn-1-yloxy)-3-methoxyphenyl]methyl]hydrazide (CA INDEX NAME)



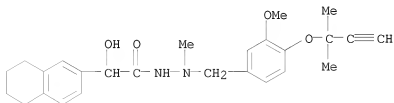
RN 1055784-98-9 CAPLUS  
 CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- $\alpha$ -(2-propyn-1-yloxy)-,  
 2-[1-[4-(2-butyne-1-yloxy)-3-methoxyphenyl]ethyl]hydrazide (CA INDEX NAME)



RN 1055784-99-0 CAPLUS  
 CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- $\alpha$ -methyl- $\alpha$ -(2-propyn-1-yloxy)-,  
 2-[1-[4-(2-butyne-1-yloxy)-3-methoxyphenyl]methyl]hydrazide  
 (CA INDEX NAME)

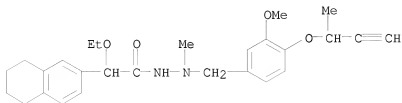


RN 1055785-73-3 CAPLUS  
 CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- $\alpha$ -hydroxy-,  
 2-[4-[(1,1-dimethyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]methyl]-2-methylhydrazide (CA INDEX NAME)



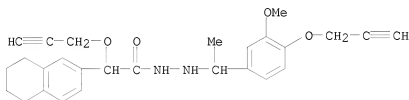
RN 1055786-75-8 CAPLUS  
 CN 2-Naphthaleneacetic acid,  $\alpha$ -ethoxy-5,6,7,8-tetrahydro-,  
 2-[4-[(1,1-dimethyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]methyl]-2-methylhydrazide (CA INDEX NAME)

2-[[3-methoxy-4-[(1-methyl-2-propyn-1-yl)oxy]phenyl]methyl]-2-methylhydrazide (CA INDEX NAME)



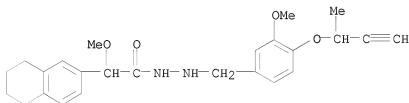
RN 1055787-00-2 CAPLUS

CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- $\alpha$ -(2-propyn-1-yloxy)-, 2-[[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]hydrazide (CA INDEX NAME)



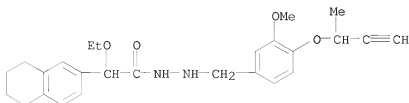
RN 1055787-60-4 CAPLUS

CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- $\alpha$ -methoxy-, 2-[[3-methoxy-4-[(1-methyl-2-propyn-1-yl)oxy]phenyl]methyl]hydrazide (CA INDEX NAME)

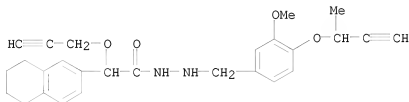


RN 1055787-61-5 CAPLUS

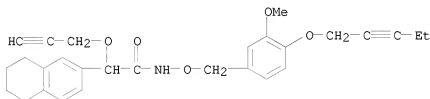
CN 2-Naphthaleneacetic acid,  $\alpha$ -ethoxy-5,6,7,8-tetrahydro-, 2-[[3-methoxy-4-[(1-methyl-2-propyn-1-yl)oxy]phenyl]methyl]hydrazide (CA INDEX NAME)



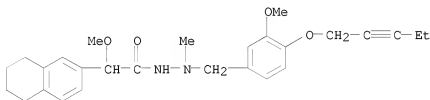
RN 1055787-62-6 CAPLUS

CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- $\alpha$ -(2-propyn-1-yloxy)-,  
2-[[3-methoxy-4-[(1-methyl-2-propyn-1-yl)oxy]phenyl]methyl]hydrazide (CA  
INDEX NAME)

RN 1055788-22-1 CAPLUS

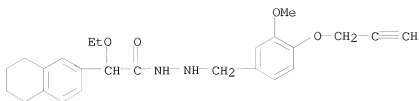
CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[[3-methoxy-4-(2-pentyn-1-yloxy)phenyl]methoxy]- $\alpha$ -(2-propyn-1-yloxy)- (CA INDEX NAME)

RN 1055788-23-2 CAPLUS

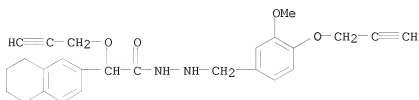
CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- $\alpha$ -methoxy-,  
2-[[3-methoxy-4-(2-pentyn-1-yloxy)phenyl]methyl]-2-methylhydrazide (CA  
INDEX NAME)

RN 1055788-39-0 CAPLUS

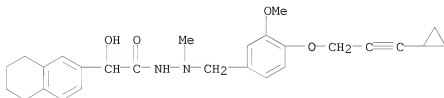
CN 2-Naphthaleneacetic acid,  $\alpha$ -ethoxy-5,6,7,8-tetrahydro-,  
2-[[3-methoxy-4-(2-propyn-1-yloxy)phenyl]methyl]hydrazide (CA INDEX NAME)



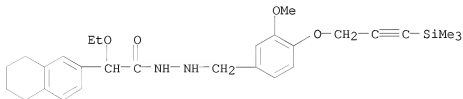
RN 1055788-40-3 CAPLUS

CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- $\alpha$ -(2-propyn-1-yloxy)-, 2-[[3-methoxy-4-(2-propyn-1-yloxy)phenyl]methyl]hydrazide (CA INDEX NAME)

RN 1055789-27-9 CAPLUS

CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- $\alpha$ -hydroxy-, 2-[[4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]methyl]-2-methylhydrazide (CA INDEX NAME)

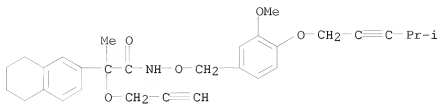
RN 1055789-52-0 CAPLUS

CN 2-Naphthaleneacetic acid,  $\alpha$ -ethoxy-5,6,7,8-tetrahydro-, 2-[[3-methoxy-4-[[3-(trimethylsilyl)-2-propyn-1-yl]oxy]phenyl]methyl]hydrazide (CA INDEX NAME)

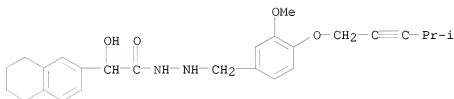
RN 1055789-80-4 CAPLUS

CN INDEX NAME NOT YET ASSIGNED

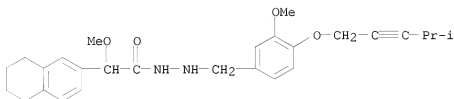
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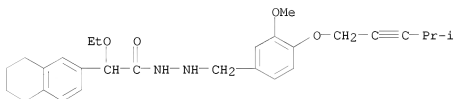
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RN 1055789-82-6 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

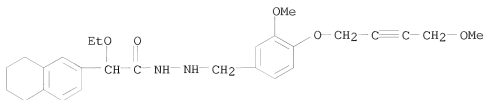


RN 1055789-83-7 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

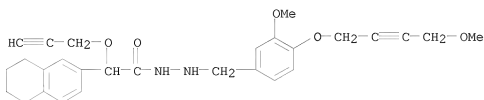


RN 1055790-39-0 CAPLUS  
CN 2-Naphthaleneacetic acid,  $\alpha$ -ethoxy-5,6,7,8-tetrahydro-,  
2-[[3-methoxy-4-[(4-methoxy-2-butyn-1-yl)oxy]phenyl]methyl]hydrazide (CA  
INDEX NAME)

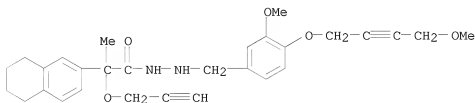




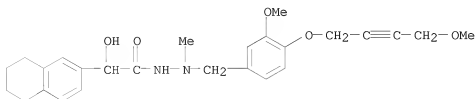
RN 1055790-40-3 CAPLUS

CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- $\alpha$ -(2-propyn-1-yloxy)-, 2-[[3-methoxy-4-[(4-methoxy-2-butyne-1-yl)oxy]phenyl]methyl]hydrazide (CA INDEX NAME)

RN 1055790-41-4 CAPLUS

CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- $\alpha$ -methyl- $\alpha$ -(2-propyn-1-yloxy)-, 2-[[3-methoxy-4-[(4-methoxy-2-butyne-1-yl)oxy]phenyl]methyl]hydrazide (CA INDEX NAME)

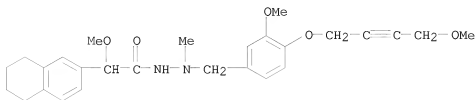
RN 1055790-42-5 CAPLUS

CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- $\alpha$ -hydroxy-, 2-[[3-methoxy-4-[(4-methoxy-2-butyne-1-yl)oxy]phenyl]methyl]-2-methylhydrazide (CA INDEX NAME)

RN 1055790-43-6 CAPLUS

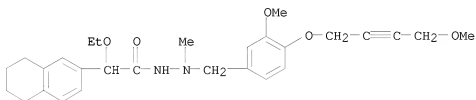
CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- $\alpha$ -methoxy-, 2-[[3-methoxy-4-[(4-methoxy-2-butyne-1-yl)oxy]phenyl]methyl]hydrazide (CA INDEX NAME)

2-[[3-methoxy-4-[(4-methoxy-2-butyn-1-yl)oxy]phenyl]methyl]-2-methylhydrazide (CA INDEX NAME)



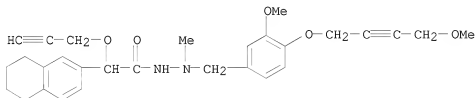
RN 1055790-44-7 CAPLUS

CN 2-Naphthaleneacetic acid,  $\alpha$ -ethoxy-5,6,7,8-tetrahydro-,  
2-[[3-methoxy-4-[(4-methoxy-2-butyn-1-yl)oxy]phenyl]methyl]-2-methylhydrazide (CA INDEX NAME)



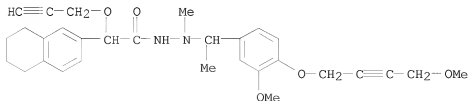
RN 1055790-45-8 CAPLUS

CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- $\alpha$ -(2-propyn-1-yloxy)-,  
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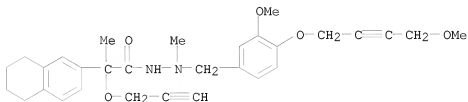


RN 1055790-46-9 CAPLUS

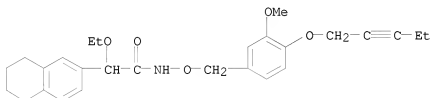
CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- $\alpha$ -(2-propyn-1-yloxy)-,  
2-[[1-[3-methoxy-4-[(4-methoxy-2-butyn-1-yl)oxy]phenyl]ethyl]-2-methylhydrazide (CA INDEX NAME)



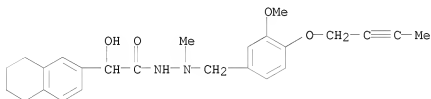
RN 1055790-47-0 CAPLUS

CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- $\alpha$ -methyl- $\alpha$ -(2-propyn-1-yloxy)-, 2-[[3-methoxy-4-[(4-methoxy-2-butyne-1-yl)oxy]phenyl]methyl]-2-methylhydrazide (CA INDEX NAME)

RN 1055792-17-0 CAPLUS

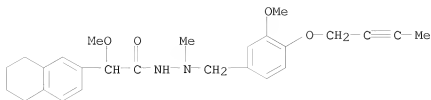
CN 2-Naphthaleneacetamide,  $\alpha$ -ethoxy-5,6,7,8-tetrahydro-N-[[3-methoxy-4-(2-pentyn-1-yloxy)phenyl]methoxy]- (CA INDEX NAME)

RN 1055792-28-3 CAPLUS

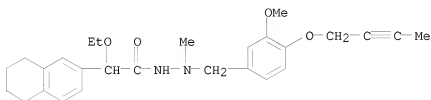
CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- $\alpha$ -hydroxy-, 2-[[4-(2-butyne-1-yloxy)-3-methoxyphenyl]methyl]-2-methylhydrazide (CA INDEX NAME)

RN 1055792-29-4 CAPLUS

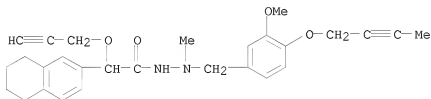
CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- $\alpha$ -methoxy-, 2-[[4-(2-butyne-1-yloxy)-3-methoxyphenyl]methyl]-2-methylhydrazide (CA INDEX NAME)



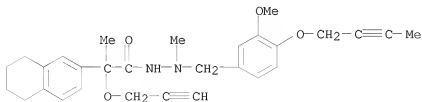
RN 1055792-30-7 CAPLUS  
 CN 2-Naphthaleneacetic acid,  $\alpha$ -ethoxy-5,6,7,8-tetrahydro-,  
 2-[[4-(2-butyn-1-yloxy)-3-methoxyphenyl]methyl]-2-methylhydrazide (CA  
 INDEX NAME)



RN 1055792-31-8 CAPLUS  
 CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- $\alpha$ -(2-propyn-1-yloxy)-,  
 2-[[4-(2-butyn-1-yloxy)-3-methoxyphenyl]methyl]-2-methylhydrazide (CA  
 INDEX NAME)

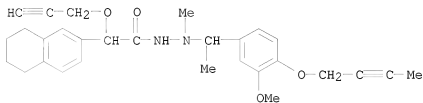


RN 1055792-32-9 CAPLUS  
 CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- $\alpha$ -methyl- $\alpha$ -(2-  
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 methylhydrazide (CA INDEX NAME)



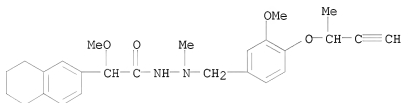
RN 1055792-33-0 CAPLUS  
 CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- $\alpha$ -(2-propyn-1-yloxy)-,

2-[1-[4-(2-butyn-1-yloxy)-3-methoxyphenyl]ethyl]-2-methylhydrazide (CA INDEX NAME)



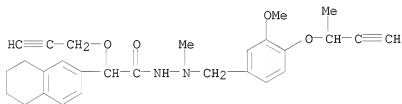
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CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- $\alpha$ -methoxy-,  
2-[3-methoxy-4-[(1-methyl-2-propyn-1-yl)oxy]phenyl]methyl]-2-  
methylhydrazide (CA INDEX NAME)



RN 1055792-66-9 CAPLUS

CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- $\alpha$ -(2-propyn-1-yloxy)-,  
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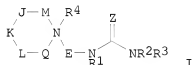
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THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 4 OF 47 CAPLUS COPYRIGHT 2009 ACS on STN  
 ACCESSION NUMBER: 2003:1014711 CAPLUS  
 DOCUMENT NUMBER: 139:403260  
 TITLE: Preparation of ureidoalkylpiperidines as modulators of chemokine CCR3 receptor activity.  
 INVENTOR(S): Ko, Soo S.; Delucca, George V.; Duncia, John V.; Santella, Joseph B., III; Wacker, Dean A.  
 PATENT ASSIGNEE(S): Bristol-Myers Squibb Pharma Company, USA  
 SOURCE: U.S., 145 pp., Cont.-in-part of U.S. Ser. No. 465,286, abandoned.  
 CODEN: USXXAM  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6605623 B1		20030812US	2000-XI598821 20000621	
PRIORITY APPLN. INFO.:			US 1998-112717P	19981218
			US 1999-161243P	19991022
			US 1999-465286	19991217

GI



AB [Title compds. I; M = CH<sub>2</sub>, CHR<sub>5</sub>, CHR<sub>13</sub>, CR<sub>13</sub>R<sub>13</sub>, CR<sub>5</sub>R<sub>13</sub>; Q = CH<sub>2</sub>, CHR<sub>5</sub>, CHR<sub>13</sub>, CR<sub>13</sub>R<sub>13</sub>, CR<sub>5</sub>R<sub>13</sub>; J, L = CH<sub>2</sub>, CHR<sub>5</sub>, CHR<sub>6</sub>, CR<sub>6</sub>R<sub>6</sub>, CR<sub>5</sub>R<sub>6</sub>; Z = O, S; M = CH<sub>2</sub>, CHR<sub>5</sub>, CHR<sub>13</sub>, CR<sub>13</sub>R<sub>13</sub>, CR<sub>5</sub>R<sub>13</sub>; K = CHR<sub>5</sub>, CR<sub>5</sub>R<sub>6</sub>; Z = O, S; E = (CHR<sub>7</sub>)(CHR<sub>9</sub>)v(CR<sub>11</sub>R<sub>12</sub>); R<sub>1</sub>, R<sub>2</sub> = H, alkyl, alkenyl, alkynyl, (substituted) alkylcycloalkyl; R<sub>2</sub>R<sub>3</sub> = atoms to form a (substituted) 5-7 membered ring; R<sub>3</sub>, R<sub>5</sub> = (substituted) (alkyl)cycloalkyl, (alkyl)heterocyclyl; R<sub>4</sub> = null, O, alkyl, alkenyl, alkynyl, etc.; R<sub>4</sub> with R<sub>7</sub>, R<sub>9</sub>, or R<sub>11</sub> = atoms to form a 5-7 membered ring; R<sub>6</sub> = alkyl, alkenyl, alkynyl, etc.; R<sub>7</sub>, R<sub>9</sub> = H; R<sub>4</sub>R<sub>7</sub>, R<sub>4</sub>R<sub>9</sub> = (substituted) spirocyclyl; R<sub>13</sub> = alkyl, alkenyl, alkynyl, cycloalkyl, etc.; R<sub>11</sub>R<sub>12</sub> = pyrrolidinyl, tetrahydrofuryl, piperidinyl, tetrahydropyranlyl; v = 1, 2], were prepared as modulators of chemokine activity (no data) for preventing asthma and other allergic diseases. Thus, 4-benzyl-1-(3-aminopropyl)piperidine (preparation given) in THF was treated with 3-cyanophenyl isocyanate to give N-(3-cyanophenyl)-N'-[3-[4-(phenylmethyl)-1-piperidinyl]propyl]urea. A pharmaceutical composition comprising the compound I was claimed. [This abstract

record is one of 15 records for this document necessitated by the large number of index entries required to fully index the document and publication system constraints.]

IT 1084141-39-8

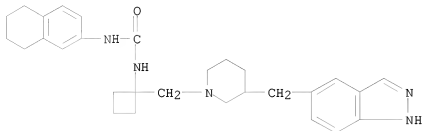
RL: PRPH (Prophetic)

(Preparation of ureidoalkylpiperidines as modulators of chemokine CCR3 receptor activity.)

RN 1084141-39-8 CAPLUS

10/513699

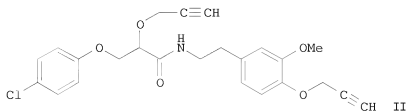
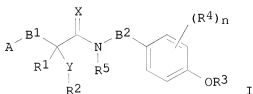
CN Urea, N-[1-[[3-(1H-indazol-5-ylmethyl)-1-piperidinyl]methyl]cyclobutyl]-N'-(5,6,7,8-tetrahydro-2-naphthalenyl)- (CA INDEX NAME)



REFERENCE COUNT: 18 THERE ARE 18 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 5 OF 47 CAPLUS COPYRIGHT 2009 ACS on STN  
 ACCESSION NUMBER: 2003:1014568 CAPLUS  
 DOCUMENT NUMBER: 138:411232  
 TITLE: Preparation of  $\alpha$ -oxygenated or  $\alpha$ -thiolated  
 carboxylic acid phenethylamides for controlling fungal  
 infestation in plants  
 INVENTOR(S): Zeller, Martin; Lamberth, Clemens; Kriz, Miroslav  
 PATENT ASSIGNEE(S): Syngenta Participations A.-G., Switz.  
 SOURCE: PCT Int. Appl., 100 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003042167 A1		20030522	WO 2002-XE12845	20021115
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, CY, DE, DK, ES, FI, FR, GA, GB, GR, IE, IT, LU, MC, ML, MR, NE, NL, PT, SE, SN, TD, TG, TR PRIORITY APPLN. INFO.: GB 2001-27556 20011116 GI				



AB Title compds. I [wherein A = (un)substituted (hetero)aryl; X = O or S; Y = O or S; R1 = H, (halo)alkyl, (halo)alkenyl, (halo)alkynyl, or (halo)cycloalkyl; R2 and R3 = independently H, (halo)alkyl, (halo)alkenyl, (halo)alkynyl, (halo)cycloalkyl(alkyl), (halo)alkoxyalkyl, (halo)alkoxyalkenyl, (halo)alkoxyalkynyl, or (un)substituted aryl(oxy)alkyl, arylalkenyl, or arylalkynyl; or R3 = (un)substituted



heteroarylalkyl, heteroarylalkenyl, or heteroarylalkynyl; R4 = halo, CN, NO2, NH2, CHO, CO2H, (halo)alkyl, (halo)alkenyl(oxy), (halo)alkynyl(oxy), (halo)alkoxy(alkyl), (halo)alkylthio, (halo)alkanoyl, (halo)(di)alkylamino, or (halo)alkoxycarbonyl; R5 = H, alkyl, alkenyl, or alkynyl; n = 0-4; B1 = (CR10R11)q or (CHR10R11)rZ(CR12R13)s; q = 2-4; r = 0-3; s = 1-3; r + s = 1-3; Z = O, S, SO, SO2, NR6, CO, OCO, CO2, NR6CO, or CONR6; R6 = H or alkyl; R10-R13 = independently H or alkyl; B2 = alkylene bridge; and optical isomers and mixts. thereof were prepared. These compds. possess useful plant protecting properties and may be employed advantageously in agricultural practice for controlling or preventing the infestation of plants by phytopathogenic microorganisms, especially fungi. For example, 3-chlorolactic acid was coupled with 4-chlorophenol in 3.3N NaOH to give 3-(4-chlorophenoxy)-2-hydroxypropionic acid. Amidation with 2-[3-methoxy-4-[(prop-2-ynyl)oxy]phenyl]ethylamine•HCl in the presence of N,N-diisopropylethylamine in DMF, followed by etherification with propargyl bromide in toluene provided the N-(phenethyl)-α-(propargyloxy)propionamide II. The latter showed residual protective action and residual curative action against fungal infestation by *Plasmopara viticola* on vines, *Phytophthora* on tomato plants, and *Phytophthora* on potato plants by 80-100% at 200 ppm. [This abstract record is one of 6 records for this document necessitated by the large number of index entries required to fully index the document and publication system constraints.]

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	1067845-41-3	1067845-42-4	1067845-43-5
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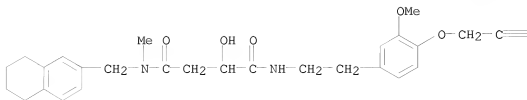
RL: PRPH (Prophetic)

(Preparation of α-oxygenated or α-thiolated carboxylic acid phenethylamides for controlling fungal infestation in plants)

RN 1067826-29-2 CAPLUS

CN Butanediamide, 2-hydroxy-N1-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-N4-methyl-N4-[(5,6,7,8-tetrahydro-2-naphthalenyl)methyl]- (CA INDEX NAME)

PAGE 1-A



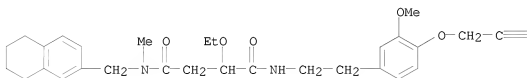
PAGE 1-B

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RN 1067826-30-5 CAPLUS

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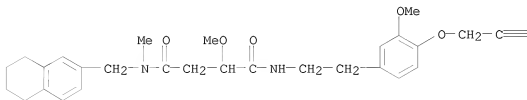
PAGE 1-B

 $\equiv$  CH

RN 1067826-31-6 CAPLUS

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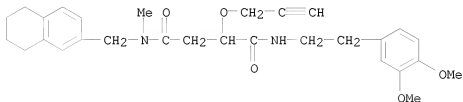
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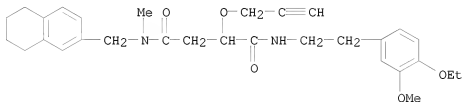
RN 1067826-32-7 CAPLUS

CN Butanediamide, N1-[2-(3,4-dimethoxyphenyl)ethyl]-N4-methyl-2-(2-propyn-1-yloxy)-N4-[(5,6,7,8-tetrahydro-2-naphthalenyl)methyl]- (CA INDEX NAME)



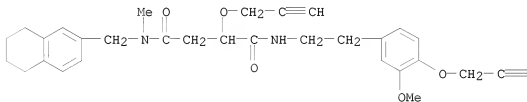
RN 1067826-33-8 CAPLUS

CN INDEX NAME NOT YET ASSIGNED



RN 1067826-34-9 CAPLUS

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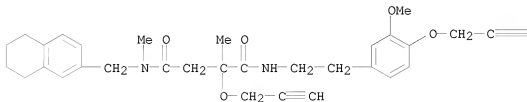


PAGE 1-B

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RN 1067826-35-0 CAPLUS  
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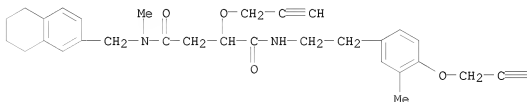


PAGE 1-B

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RN 1067826-36-1 CAPLUS  
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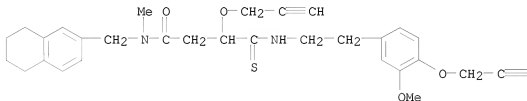
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RN 1067826-37-2 CAPLUS

CN Butanamide, 4-([2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]amino)-N-methyl-3-(2-propyn-1-yloxy)-N-[(5,6,7,8-tetrahydro-2-naphthalenyl)methyl]-4-thioxo- (CA INDEX NAME)

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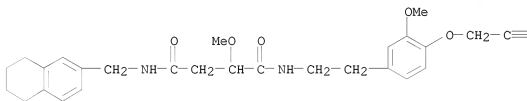
PAGE 1-B

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RN 1067835-77-1 CAPLUS

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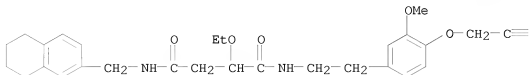
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RN 1067835-79-3 CAPLUS

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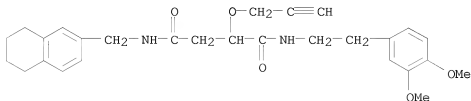


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RN 1067835-80-6 CAPLUS

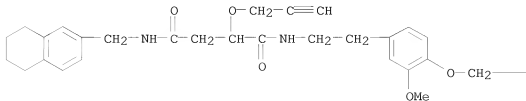
CN Butanediamide, N1-[2-(3,4-dimethoxyphenyl)ethyl]-2-(2-propyn-1-yloxy)-N4-[(5,6,7,8-tetrahydro-2-naphthalenyl)methyl]- (CA INDEX NAME)



RN 1067835-81-7 CAPLUS

CN Butanediamide, N1-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-2-(2-propyn-1-yloxy)-N4-[(5,6,7,8-tetrahydro-2-naphthalenyl)methyl]- (CA INDEX NAME)

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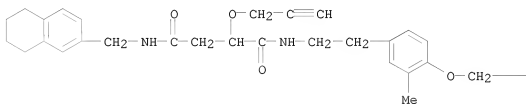


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RN 1067835-82-8 CAPLUS  
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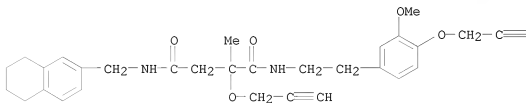


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RN 1067835-84-0 CAPLUS  
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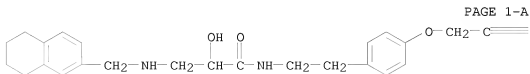
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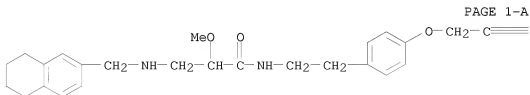
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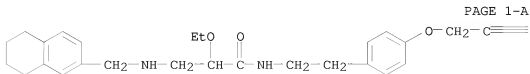
RN 1067845-42-4 CAPLUS

CN Propanamide, 2-methoxy-N-[2-[4-(2-propyn-1-yloxy)phenyl]ethyl]-3-  
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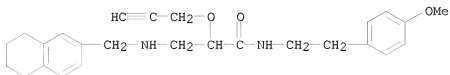
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CN Propanamide, 2-ethoxy-N-[2-[4-(2-propyn-1-yloxy)phenyl]ethyl]-3-[[5,6,7,8-  
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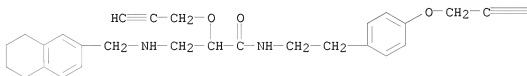


≡ CH

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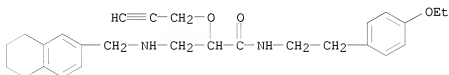


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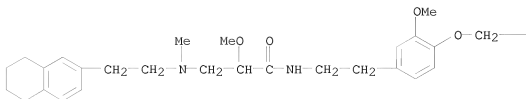
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RN 1067845-47-9 CAPLUS  
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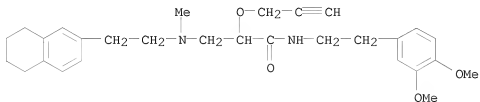


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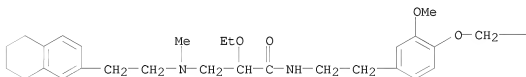
CN Propanamide, N-[2-(3,4-dimethoxyphenyl)ethyl]-3-[methyl[2-(5,6,7,8-tetrahydro-2-naphthalenyl)ethyl]amino]-2-(2-propyn-1-yloxy)- (CA INDEX NAME)



RN 1067848-45-6 CAPLUS

CN Propanamide, 2-ethoxy-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-3-[methyl[2-(5,6,7,8-tetrahydro-2-naphthalenyl)ethyl]amino]- (CA INDEX NAME)

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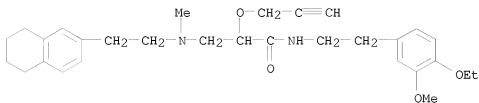
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RN 1067848-46-7 CAPLUS

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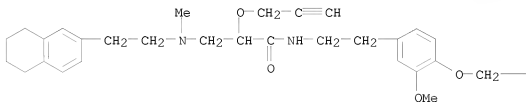
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RN 1067848-47-8 CAPLUS

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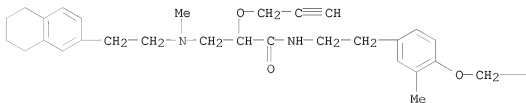
PAGE 1-B



RN 1067848-48-9 CAPLUS

CN Propanamide, N-[2-[3-methyl-4-(2-propyn-1-yloxy)phenyl]ethyl]-3-[methyl(2-(5,6,7,8-tetrahydro-2-naphthalenyl)ethyl)amino]-2-(2-propyn-1-yloxy)- (CA INDEX NAME)

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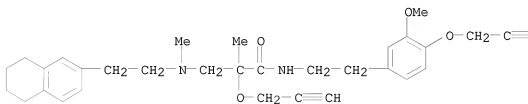




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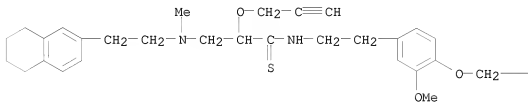
PAGE 1-B



RN 1067848-50-3 CAPLUS

CN Propanethioamide, N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-3-[methyl[2-(5,6,7,8-tetrahydro-2-naphthalenyl)ethyl]amino]-2-(2-propyn-1-yloxy)- (CA INDEX NAME)

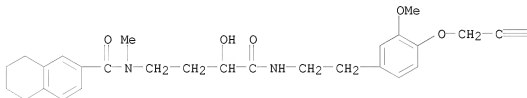
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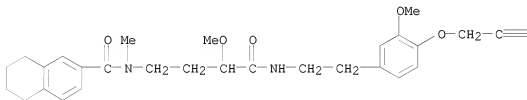
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RN 1067859-77-1 CAPLUS

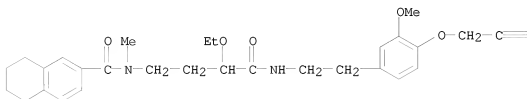
CN 2-Naphthalenecarboxamide, 5,6,7,8-tetrahydro-N-[3-methoxy-4-[[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]amino]-4-oxobutyl]-N-methyl- (CA INDEX NAME)



RN 1067859-78-2 CAPLUS

CN 2-Naphthalenecarboxamide, N-[3-ethoxy-4-[[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]amino]-4-oxobutyl]-5,6,7,8-tetrahydro-N-methyl- (CA INDEX NAME)

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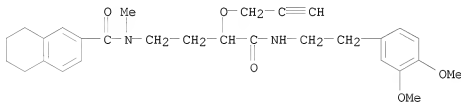


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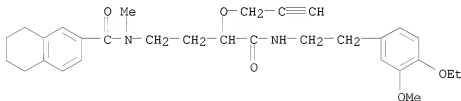
RN 1067859-79-3 CAPLUS

CN 2-Naphthalenecarboxamide, N-[4-[[2-(3,4-dimethoxyphenyl)ethyl]amino]-4-oxo-3-(2-propyn-1-yloxy)butyl]-5,6,7,8-tetrahydro-N-methyl- (CA INDEX NAME)



RN 1067859-80-6 CAPLUS

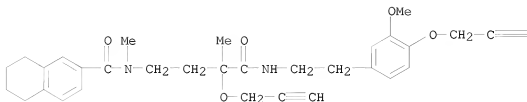
CN 2-Naphthalenecarboxamide, N-[4-[[2-(4-ethoxy-3-methoxyphenyl)ethyl]amino]-4-oxo-3-(2-propyn-1-yloxy)butyl]-5,6,7,8-tetrahydro-N-methyl- (CA INDEX NAME)



RN 1067859-81-7 CAPLUS

CN 2-Naphthalenecarboxamide, 5,6,7,8-tetrahydro-N-[4-[[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]amino]-3-methyl-4-oxo-3-(2-propyn-1-yloxy)butyl]-N-methyl- (CA INDEX NAME)

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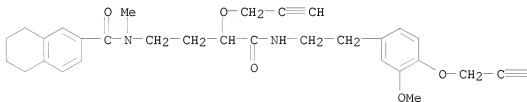
PAGE 1-B

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RN 1067859-82-8 CAPLUS

CN 2-Naphthalenecarboxamide, 5,6,7,8-tetrahydro-N-[4-[[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]amino]-4-oxo-3-(2-propyn-1-yloxy)butyl]-N-methyl- (CA INDEX NAME)

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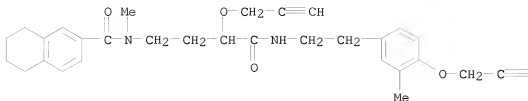
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RN 1067859-83-9 CAPLUS

CN 2-Naphthalenecarboxamide, 5,6,7,8-tetrahydro-N-methyl-N-[4-[[2-[3-methyl-4-(2-propyn-1-yloxy)phenyl]ethyl]amino]-4-oxo-3-(2-propyn-1-yloxy)butyl]-N-methyl- (CA INDEX NAME)



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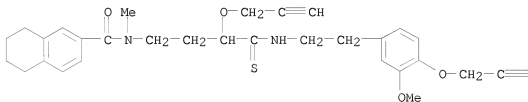
PAGE 1-B

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RN 1067859-84-0 CAPLUS

CN 2-Naphthalenecarboxamide, 5,6,7,8-tetrahydro-N-[4-[[2-(3-methoxy-4-(2-propyn-1-yloxy)phenyl)ethyl]amino]-3-(2-propyn-1-yloxy)-4-thioxobutyl]-N-methyl- (CA INDEX NAME)

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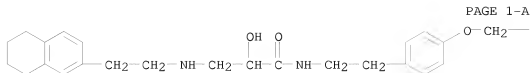


PAGE 1-B

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RN 1067873-52-2 CAPLUS

CN Propanamide, 2-hydroxy-N-[2-[4-(2-propyn-1-yloxy)phenyl]ethyl]-3-[[2-(5,6,7,8-tetrahydro-2-naphthalenyl)ethyl]amino]- (CA INDEX NAME)

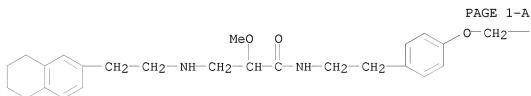


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RN 1067873-53-3 CAPLUS

CN Propanamide, 2-methoxy-N-[2-[4-(2-propyn-1-yloxy)phenyl]ethyl]-3-[[2-(5,6,7,8-tetrahydro-2-naphthalenyl)ethyl]amino]- (CA INDEX NAME)

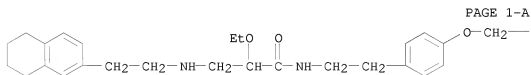


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RN 1067873-54-4 CAPLUS

CN Propanamide, 2-ethoxy-N-[2-[4-(2-propyn-1-yloxy)phenyl]ethyl]-3-[[2-(5,6,7,8-tetrahydro-2-naphthalenyl)ethyl]amino]- (CA INDEX NAME)



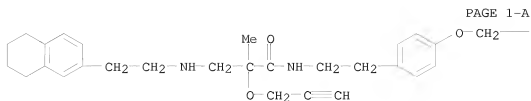
PAGE 1-B



RN 1067873-55-5 CAPLUS

CN Propanamide, N-[2-[4-methoxyphenyl]ethyl]-2-(2-propyn-1-yloxy)-3-[[2-(5,6,7,8-tetrahydro-2-naphthalenyl)ethyl]amino]- (CA INDEX NAME)



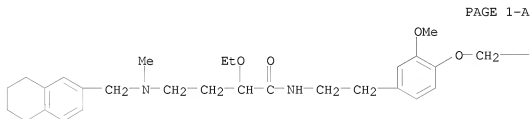


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RN 1068186-43-5 CAPLUS

CN Butanamide, 2-ethoxy-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-4-[methyl[(5,6,7,8-tetrahydro-2-naphthalenyl)methyl]amino]- (CA INDEX NAME)

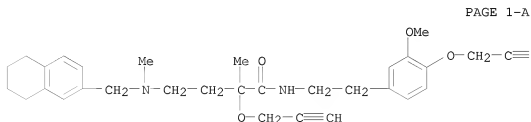


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RN 1068186-44-6 CAPLUS

CN Butanamide, N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-2-methyl-4-[methyl[(5,6,7,8-tetrahydro-2-naphthalenyl)methyl]amino]-2-(2-propyn-1-yloxy)- (CA INDEX NAME)



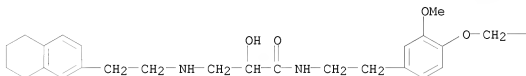
PAGE 1-B

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RN 1068190-31-7 CAPLUS

CN Propanamide, 2-hydroxy-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-3-  
[[2-(5,6,7,8-tetrahydro-2-naphthalenyl)ethyl]amino]- (CA INDEX NAME)

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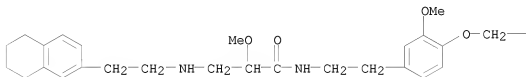
PAGE 1-B

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RN 1068190-32-8 CAPLUS

CN Propanamide, 2-methoxy-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-3-  
[[2-(5,6,7,8-tetrahydro-2-naphthalenyl)ethyl]amino]- (CA INDEX NAME)

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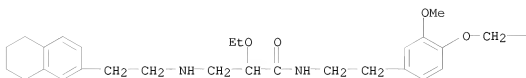
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RN 1068190-33-9 CAPLUS

CN Propanamide, 2-ethoxy-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-3-  
[[2-(5,6,7,8-tetrahydro-2-naphthalenyl)ethyl]amino]- (CA INDEX NAME)

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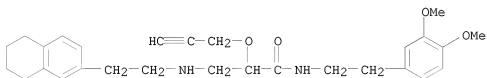


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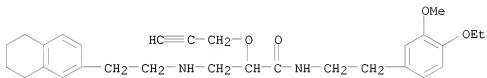
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RN 1068190-35-1 CAPLUS

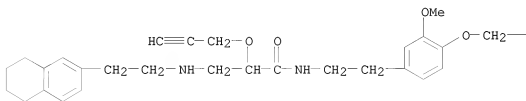
CN INDEX NAME NOT YET ASSIGNED



RN 1068190-36-2 CAPLUS

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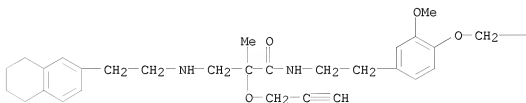
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RN 1068190-37-3 CAPLUS

CN Propanamide, N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-2-methyl-2-(2-propyn-1-yloxy)-3-[[2-(5,6,7,8-tetrahydro-2-naphthalenyl)ethyl]amino]-  
(CA INDEX NAME)

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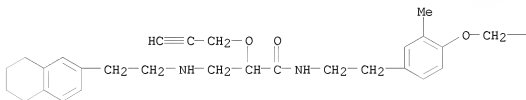
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RN 1068190-38-4 CAPLUS

CN Propanamide, N-[2-[3-methyl-4-(2-propyn-1-yloxy)phenyl]ethyl]-2-(2-propyn-1-yloxy)-3-[[2-(5,6,7,8-tetrahydro-2-naphthalenyl)ethyl]amino]- (CA INDEX NAME)

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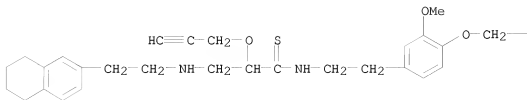
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RN 1068190-39-5 CAPLUS

CN Propanethioamide, N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-2-(2-propyn-1-yloxy)-3-[[2-(5,6,7,8-tetrahydro-2-naphthalenyl)ethyl]amino]-  
(CA INDEX NAME)

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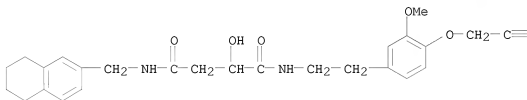
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RN 1068192-10-8 CAPLUS

CN Butanediamide, 2-hydroxy-N1-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-N4-[(5,6,7,8-tetrahydro-2-naphthalenyl)methyl]- (CA INDEX NAME)

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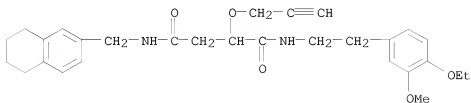


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RN 1068192-12-0 CAPLUS

CN INDEX NAME NOT YET ASSIGNED



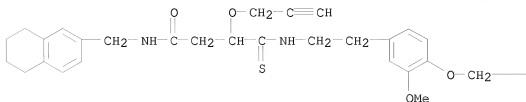
RN 1068192-13-1 CAPLUS

CN Butanamide, 4-[[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]amino]-3-(2-



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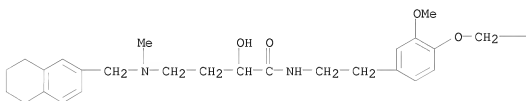


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RN 1068197-81-8 CAPLUS

CN Butanamide, 2-hydroxy-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-4-[methyl[(5,6,7,8-tetrahydro-2-naphthalenyl)methyl]amino]- (CA INDEX NAME)



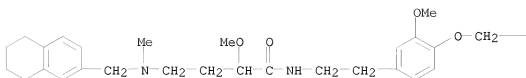
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RN 1068197-82-9 CAPLUS

CN Butanamide, 2-methoxy-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-4-[methyl[(5,6,7,8-tetrahydro-2-naphthalenyl)methyl]amino]- (CA INDEX NAME)

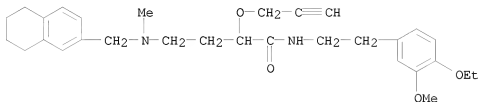
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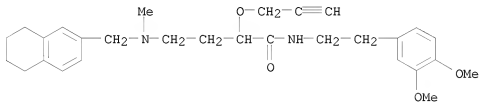
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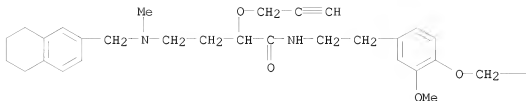


RN 1068197-84-1 CAPLUS  
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RN 1068197-85-2 CAPLUS  
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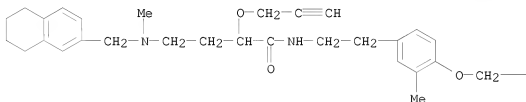
PAGE 1-B



RN 1068197-86-3 CAPLUS

CN Butanamide, N-[2-[3-methyl-4-(2-propyn-1-yloxy)phenyl]ethyl]-4-[methyl[(5,6,7,8-tetrahydro-2-naphthalenyl)methyl]amino]-2-(2-propyn-1-yloxy)- (CA INDEX NAME)

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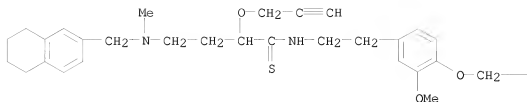
PAGE 1-B



RN 1068197-87-4 CAPLUS

CN Butanethioamide, N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-4-[methyl[(5,6,7,8-tetrahydro-2-naphthalenyl)methyl]amino]-2-(2-propyn-1-yloxy)- (CA INDEX NAME)

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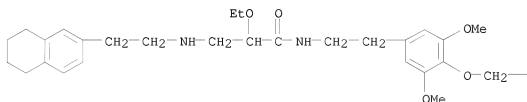
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RN 1068198-87-7 CAPLUS

CN INDEX NAME NOT YET ASSIGNED

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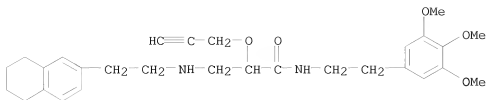


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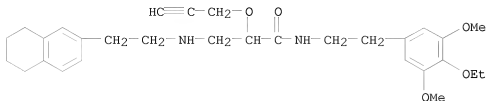
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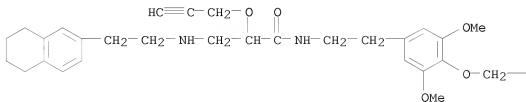


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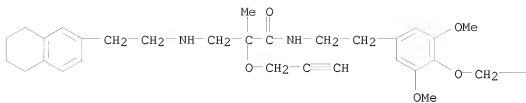


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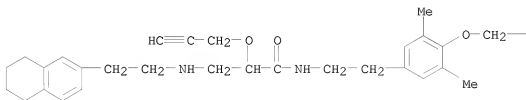


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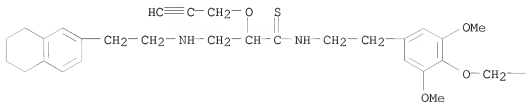


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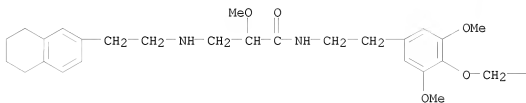
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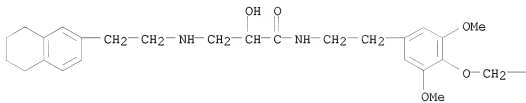




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10/513699

REFERENCE COUNT:

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THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

<12/04/2007>

Erich Leese



L5 ANSWER 6 OF 47 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2003:1014567 CAPLUS

DOCUMENT NUMBER: 138:411231

TITLE: Preparation of  $\alpha$ -oxygenated or  $\alpha$ -thiolated carboxylic acid phenethylamides for controlling fungal infestation in plants

INVENTOR(S): Zeller, Martin; Lamberth, Clemens; Kriz, Miroslav

PATENT ASSIGNEE(S): Syngenta Participations A.-G., Switz.

SOURCE: PCT Int. Appl., 100 pp.

CODEN: PIXXD2

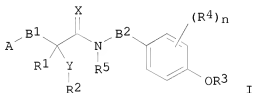
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LANGUAGE: English

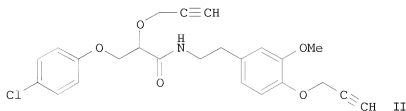
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PRIORITY APPLN. INFO.:			GB 2001-27556	20011116

GI



I



II

AB Title compds. I [wherein A = (un)substituted (hetero)aryl; X = O or S; Y = O or S; R1 = H, (halo)alkyl, (halo)alkenyl, (halo)alkynyl, or (halo)cycloalkyl; R2 and R3 = independently H, (halo)alkyl, (halo)alkenyl, (halo)alkynyl, (halo)cycloalkyl(alkyl), (halo)alkoxyalkyl, (halo)alkoxyalkenyl, (halo)alkoxyalkynyl, or (un)substituted aryl(oxy)alkyl, arylalkenyl, or arylalkynyl; or R3 = (un)substituted

heteroarylalkyl, heteroarylalkenyl, or heteroarylalkynyl; R4 = halo, CN, NO2, NH2, CHO, CO2H, (halo)alkyl, (halo)alkenyl(oxy), (halo)alkynyl(oxy), (halo)alkoxy(alkyl), (halo)alkylthio, (halo)alkanoyl, (halo)(di)alkylamino, or (halo)alkoxycarbonyl; R5 = H, alkyl, alkenyl, or alkynyl; n = 0-4; B1 = (CR10R11)q or (CHR10R11)rZ(CR12R13)s; q = 2-4; r = 0-3; s = 1-3; r + s = 1-3; Z = O, S, SO, SO2, NR6, CO, OCO, CO2, NR6CO, or CONR6; R6 = H or alkyl; R10-R13 = independently H or alkyl; B2 = alkylene bridge, and optical isomers and mixts. thereof were prepared. These compds. possess useful plant protecting properties and may be employed advantageously in agricultural practice for controlling or preventing the infestation of plants by phytopathogenic microorganisms, especially fungi. For example, 3-chlorolactic acid was coupled with 4-chlorophenol in 3.3N NaOH to give 3-(4-chlorophenoxy)-2-hydroxypropionic acid. Amidation with 2-[3-methoxy-4-[(prop-2-ynyl)oxy]phenyl]ethylamine•HCl in the presence of N,N-diisopropylethylamine in DMF, followed by etherification with propargyl bromide in toluene provided the N-(phenethyl)-α-(propargyloxy)propionamide II. The latter showed residual protective action and residual curative action against fungal infestation by *Plasmopara viticola* on vines, *Phytophthora* on tomato plants, and *Phytophthora* on potato plants by 80-100% at 200 ppm. [This abstract record is one of 6 records for this document necessitated by the large number of index entries required to fully index the document and publication system constraints.]

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	1072191-75-3	1072191-76-4	1072191-77-5
	1072191-78-6	1072191-79-7	1072191-80-0

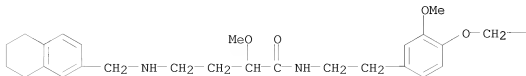
RL: PRPH (Prophetic)

(Preparation of α-oxygenated or α-thiolated carboxylic acid phenethylamides for controlling fungal infestation in plants)

RN 1067790-83-3 CAPLUS

CN Butanamide, 2-methoxy-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-4-[[5,6,7,8-tetrahydro-2-naphthalenyl)methyl]amino]- (CA INDEX NAME)

PAGE 1-A



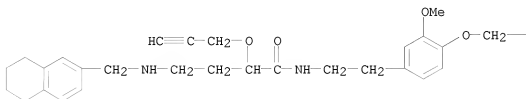
PAGE 1-B



RN 1067790-85-5 CAPLUS

CN Butanamide, N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-2-(2-propyn-1-yloxy)-4-[[5,6,7,8-tetrahydro-2-naphthalenyl)methyl]amino]- (CA INDEX NAME)

PAGE 1-A



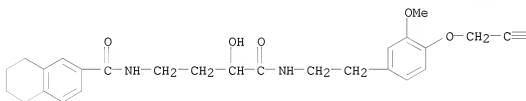
PAGE 1-B



RN 1067808-26-7 CAPLUS

CN 2-Naphthalenecarboxamide, 5,6,7,8-tetrahydro-N-[3-hydroxy-4-[[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]amino]-4-oxobutyl]- (CA INDEX NAME)

PAGE 1-A



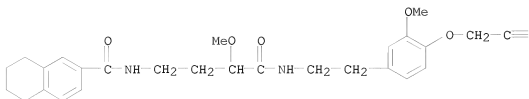
PAGE 1-B



RN 1067808-27-8 CAPLUS

CN 2-Naphthalenecarboxamide, 5,6,7,8-tetrahydro-N-[3-methoxy-4-[[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]amino]-4-oxobutyl]- (CA INDEX NAME)

PAGE 1-A

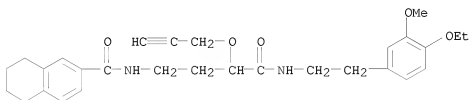


PAGE 1-B

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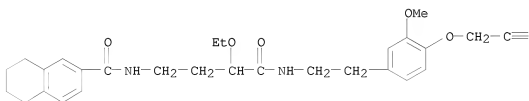
CN 2-Naphthalenecarboxamide, N-[4-[[2-(4-ethoxy-3-methoxyphenyl)ethyl]amino]-4-oxo-3-(2-propyn-1-yloxy)butyl]-5,6,7,8-tetrahydro- (CA INDEX NAME)



RN 1067808-29-0 CAPLUS

CN 2-Naphthalenecarboxamide, N-[3-ethoxy-4-[[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]amino]-4-oxobutyl]-5,6,7,8-tetrahydro- (CA INDEX NAME)

PAGE 1-A



PAGE 1-B

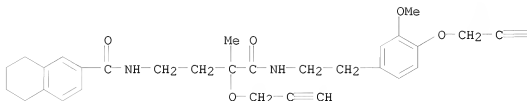
≡ CH

RN 1067808-30-3 CAPLUS

CN 2-Naphthalenecarboxamide, 5,6,7,8-tetrahydro-N-[4-[[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]amino]-3-methyl-4-oxo-3-(2-propyn-1-

yloxy)butyl]- (CA INDEX NAME)

PAGE 1-A



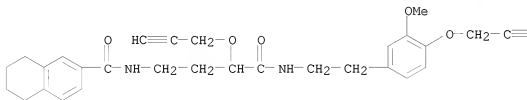
PAGE 1-B

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RN 1067808-31-4 CAPLUS

CN 2-Naphthalenecarboxamide, 5,6,7,8-tetrahydro-N-[4-[[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]amino]-4-oxo-3-(2-propyn-1-yloxy)butyl]- (CA INDEX NAME)

PAGE 1-A



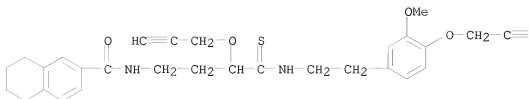
PAGE 1-B

 $\equiv$  CH

RN 1067808-33-6 CAPLUS

CN 2-Naphthalenecarboxamide, 5,6,7,8-tetrahydro-N-[4-[[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]amino]-3-(2-propyn-1-yloxy)-4-thioxobutyl]- (CA INDEX NAME)

PAGE 1-A



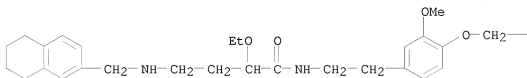
PAGE 1-B



RN 1067816-87-8 CAPLUS

CN Butanamide, 2-ethoxy-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-4-  
[[ (5,6,7,8-tetrahydro-2-naphthalenyl)methyl]amino]- (CA INDEX NAME)

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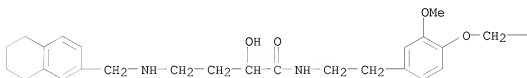
PAGE 1-B



RN 1067816-88-9 CAPLUS

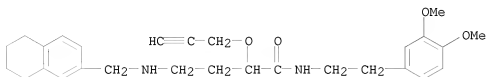
CN Butanamide, 2-hydroxy-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-4-  
[[ (5,6,7,8-tetrahydro-2-naphthalenyl)methyl]amino]- (CA INDEX NAME)

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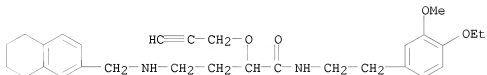


RN 1067816-89-0 CAPLUS

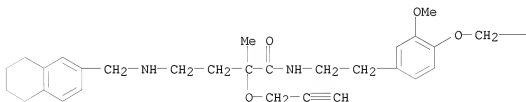
CN Butanamide, N-[2-(3,4-dimethoxyphenyl)ethyl]-2-(2-propyn-1-yloxy)-4-  
[[5,6,7,8-tetrahydro-2-naphthalenyl)methyl]amino]- (CA INDEX NAME)

RN 1067816-90-3 CAPLUS

CN INDEX NAME NOT YET ASSIGNED



RN 1067816-91-4 CAPLUS

CN Butanamide, N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-2-methyl-2-  
(2-propyn-1-yloxy)-4-[[5,6,7,8-tetrahydro-2-naphthalenyl)methyl]amino]-  
(CA INDEX NAME)

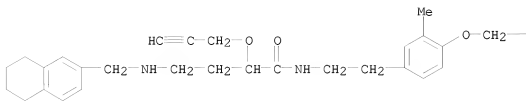
RN 1067816-92-5 CAPLUS

CN Butanamide, N-[2-[3-methyl-4-(2-propyn-1-yloxy)phenyl]ethyl]-2-(2-propyn-1-  
yloxy)-4-[[5,6,7,8-tetrahydro-2-naphthalenyl)methyl]amino]- (CA INDEX

10/513699

NAME)

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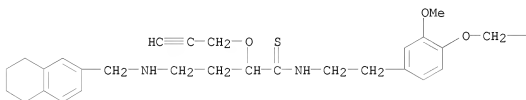


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—C≡CH

RN 1067816-93-6 CAPLUS  
CN Butanethioamide, N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-2-(2-propyn-1-yloxy)-4-[[5,6,7,8-tetrahydro-2-naphthalenyl)methyl]amino]- (CA INDEX NAME)

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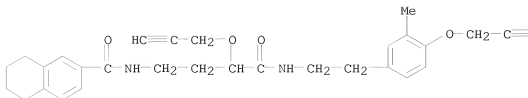
PAGE 1-B

—C≡CH

RN 1067820-72-7 CAPLUS  
CN 2-Naphthalenecarboxamide, 5,6,7,8-tetrahydro-N-[4-[[2-[3-methyl-4-(2-propyn-1-yloxy)phenyl]ethyl]amino]-4-oxo-3-(2-propyn-1-yloxy)butyl]- (CA INDEX NAME)



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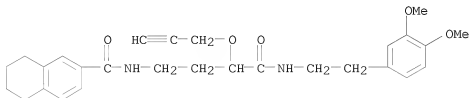


PAGE 1-B

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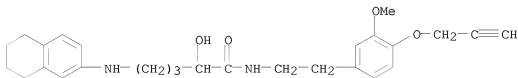
RN 1067820-75-0 CAPLUS

CN 2-Naphthalenecarboxamide, N-[4-[[2-(3,4-dimethoxyphenyl)ethyl]amino]-4-oxo-3-(2-propyn-1-yloxy)butyl]-5,6,7,8-tetrahydro- (CA INDEX NAME)



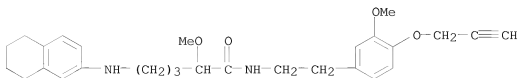
RN 1071996-32-1 CAPLUS

CN Pentanamide, 2-hydroxy-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-5-[(5,6,7,8-tetrahydro-2-naphthalenyl)amino]- (CA INDEX NAME)



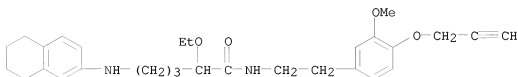
RN 1071996-34-3 CAPLUS

CN Pentanamide, 2-methoxy-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-5-[(5,6,7,8-tetrahydro-2-naphthalenyl)amino]- (CA INDEX NAME)



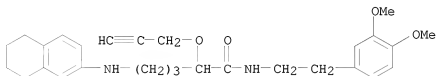
RN 1071996-36-5 CAPLUS

CN Pentanamide, 2-ethoxy-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-5-[(5,6,7,8-tetrahydro-2-naphthalenyl)amino]- (CA INDEX NAME)



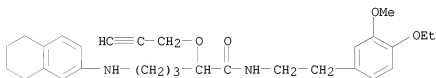
RN 1071996-38-7 CAPLUS

CN Pentanamide, N-[2-(3,4-dimethoxyphenyl)ethyl]-2-(2-propyn-1-yloxy)-5-[(5,6,7,8-tetrahydro-2-naphthalenyl)amino]- (CA INDEX NAME)



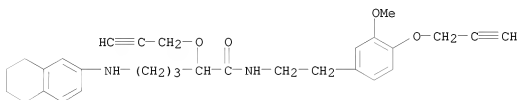
RN 1071996-41-2 CAPLUS

CN Pentanamide, N-[2-(4-ethoxy-3-methoxyphenyl)ethyl]-2-(2-propyn-1-yloxy)-5-[(5,6,7,8-tetrahydro-2-naphthalenyl)amino]- (CA INDEX NAME)



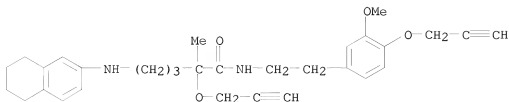
RN 1071996-46-7 CAPLUS

CN Pentanamide, N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-2-(2-propyn-1-yloxy)-5-[(5,6,7,8-tetrahydro-2-naphthalenyl)amino]- (CA INDEX NAME)



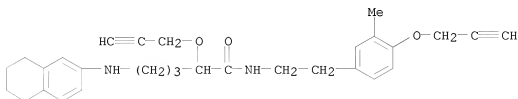
RN 1071996-51-4 CAPLUS

CN Pentanamide, N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-2-methyl-2-(2-propyn-1-yloxy)-5-[(5,6,7,8-tetrahydro-2-naphthalenyl)amino]- (CA INDEX NAME)



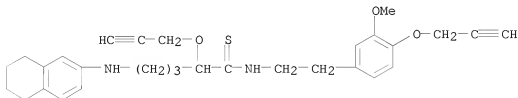
RN 1071996-53-6 CAPLUS

CN Pentanamide, N-[2-[3-methyl-4-(2-propyn-1-yloxy)phenyl]ethyl]-2-(2-propyn-1-yloxy)-5-[(5,6,7,8-tetrahydro-2-naphthalenyl)amino]- (CA INDEX NAME)



RN 1071996-55-8 CAPLUS

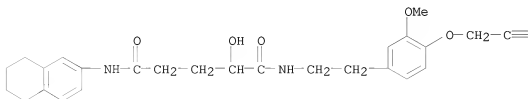
CN Pentanethioamide, N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-2-(2-propyn-1-yloxy)-5-[(5,6,7,8-tetrahydro-2-naphthalenyl)amino]- (CA INDEX NAME)



RN 1072090-17-5 CAPLUS

CN Pentanediamide, 2-hydroxy-N1-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-N5-[(5,6,7,8-tetrahydro-2-naphthalenyl)amino]- (CA INDEX NAME)

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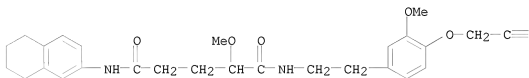
PAGE 1-B

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RN 1072090-22-2 CAPLUS

CN Pentanediamide, 2-methoxy-N1-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-N5-(5,6,7,8-tetrahydro-2-naphthalenyl)- (CA INDEX NAME)

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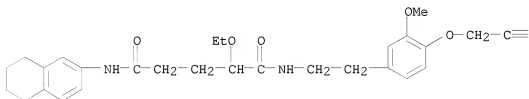
PAGE 1-B

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RN 1072090-29-9 CAPLUS

CN Pentanediamide, 2-ethoxy-N1-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-N5-(5,6,7,8-tetrahydro-2-naphthalenyl)- (CA INDEX NAME)

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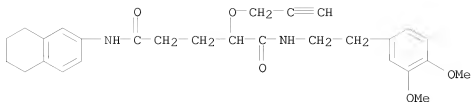


PAGE 1-B

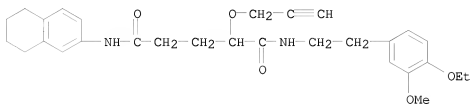
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RN 1072090-30-2 CAPLUS

CN Pentanediamide, N1-[2-(3,4-dimethoxyphenyl)ethyl]-2-(2-propyn-1-yloxy)-N5-(5,6,7,8-tetrahydro-2-naphthalenyl)- (CA INDEX NAME)

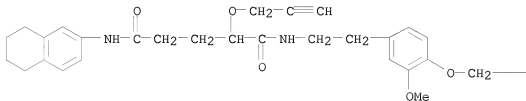


RN 1072090-31-3 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED



RN 1072090-32-4 CAPLUS  
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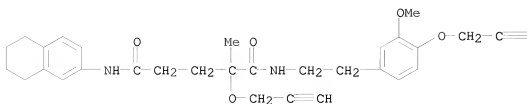


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RN 1072090-33-5 CAPLUS  
CN Pentanediamide, N1-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-2-methyl-2-(2-propyn-1-yloxy)-N5-(5,6,7,8-tetrahydro-2-naphthalenyl)- (CA INDEX NAME)

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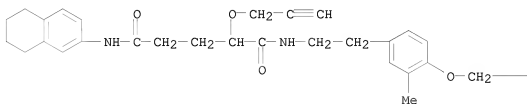
PAGE 1-B

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RN 1072090-34-6 CAPLUS

CN Pentanediamide, N1-[2-[3-methyl-4-(2-propyn-1-yloxy)phenyl]ethyl]-2-(2-propyn-1-yloxy)-N5-(5,6,7,8-tetrahydro-2-naphthalenyl)- (CA INDEX NAME)

PAGE 1-A

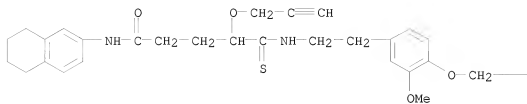


PAGE 1-B

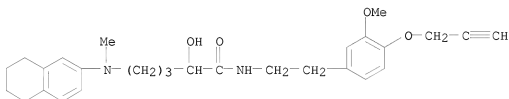
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RN 1072090-35-7 CAPLUS

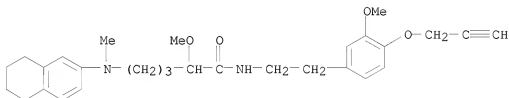
CN Pentanamide, 5-[[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]amino]-4-(2-propyn-1-yloxy)-N-(5,6,7,8-tetrahydro-2-naphthalenyl)-5-thioxo- (CA INDEX NAME)



RN 1072123-69-3 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

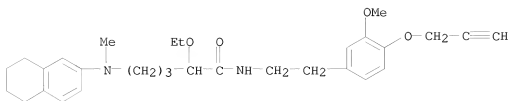


RN 1072123-71-7 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

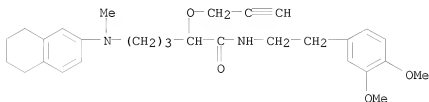


RN 1072123-72-8 CAPLUS  
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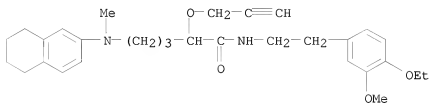
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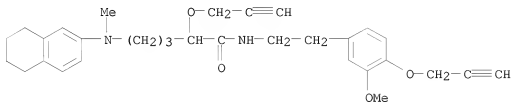
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RN 1072123-74-0 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

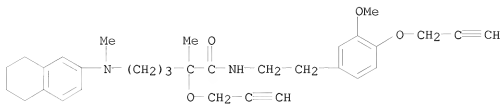


RN 1072123-76-2 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

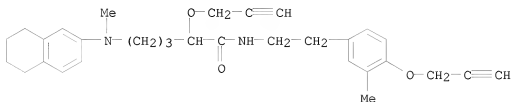


RN 1072123-77-3 CAPLUS  
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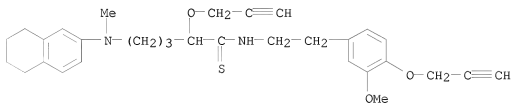




RN 1072123-79-5 CAPLUS  
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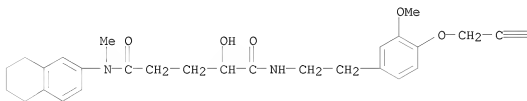


RN 1072123-82-0 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED



RN 1072191-72-0 CAPLUS  
CN Pentanediamide, 2-hydroxy-N1-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-N5-methyl-N5-(5,6,7,8-tetrahydro-2-naphthalenyl)- (CA INDEX NAME)

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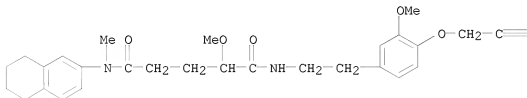
PAGE 1-B

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RN 1072191-73-1 CAPLUS

CN Pentanediamide, 2-methoxy-N1-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-N5-methyl-N5-(5,6,7,8-tetrahydro-2-naphthalenyl)- (CA INDEX NAME)

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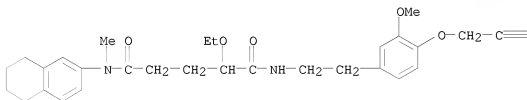
PAGE 1-B

 $\equiv$  CH

RN 1072191-74-2 CAPLUS

CN Pentanediamide, 2-ethoxy-N1-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-N5-methyl-N5-(5,6,7,8-tetrahydro-2-naphthalenyl)- (CA INDEX NAME)

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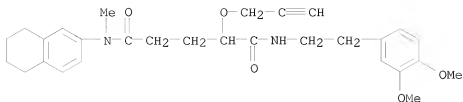


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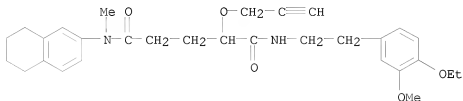
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RN 1072191-75-3 CAPLUS

CN Pentanediamide, N1-[2-(3,4-dimethoxyphenyl)ethyl]-N5-methyl-2-(2-propyn-1-yloxy)-N5-(5,6,7,8-tetrahydro-2-naphthalenyl)- (CA INDEX NAME)

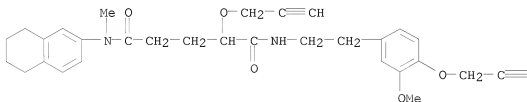


RN 1072191-76-4 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED



RN 1072191-77-5 CAPLUS  
CN Pentanediamide, N1-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-N5-methyl-2-(2-propyn-1-yloxy)-N5-(5,6,7,8-tetrahydro-2-naphthalenyl)- (CA INDEX NAME)

PAGE 1-A

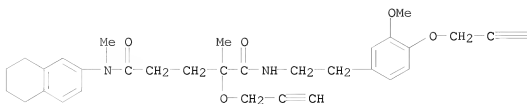


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RN 1072191-78-6 CAPLUS  
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PAGE 1-A



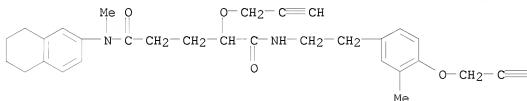
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PAGE 1-A



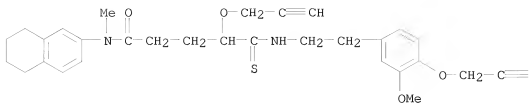
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PAGE 1-A



PAGE 1-B

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REFERENCE COUNT:

7

THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 7 OF 47 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2003:1014566 CAPLUS

DOCUMENT NUMBER: 138:411230

TITLE: Preparation of  $\alpha$ -oxygenated or  $\alpha$ -thiolated carboxylic acid phenethylamides for controlling fungal infestation in plants

INVENTOR(S): Zeller, Martin; Lamberth, Clemens; Kriz, Miroslav

PATENT ASSIGNEE(S): Syngenta Participations A.-G., Switz.

SOURCE: PCT Int. Appl., 100 pp.

CODEN: PIXXD2

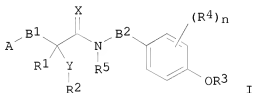
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LANGUAGE: English

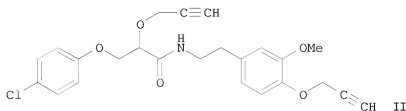
PATENT INFORMATION:

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PRIORITY APPLN. INFO.:			GB 2001-27556	20011116

GI



I



II

AB Title compds. I [wherein A = (un)substituted (hetero)aryl; X = O or S; Y = O or S; R1 = H, (halo)alkyl, (halo)alkenyl, (halo)alkynyl, or (halo)cycloalkyl; R2 and R3 = independently H, (halo)alkyl, (halo)alkenyl, (halo)alkynyl, (halo)cycloalkyl(alkyl), (halo)alkoxyalkyl, (halo)alkoxyalkenyl, (halo)alkoxyalkynyl, or (un)substituted aryl(oxy)alkyl, arylalkenyl, or arylalkynyl; or R3 = (un)substituted

heteroarylalkyl, heteroarylalkenyl, or heteroarylalkynyl; R4 = halo, CN, NO2, NH2, CHO, CO2H, (halo)alkyl, (halo)alkenyl(oxy), (halo)alkynyl(oxy), (halo)alkoxy(alkyl), (halo)alkylthio, (halo)alkanoyl, (halo)(di)alkylamino, or (halo)alkoxycarbonyl; R5 = H, alkyl, alkenyl, or alkynyl; n = 0-4; B1 = (CR10R11)q or (CHR10R11)rZ(CR12R13)s; q = 2-4; r = 0-3; s = 1-3; r + s = 1-3; Z = O, S, SO, SO2, NR6, CO, OCO, CO2, NR6CO, or CONR6; R6 = H or alkyl; R10-R13 = independently H or alkyl; B2 = alkylene bridge; and optical isomers and mixts. thereof were prepared. These compds. possess useful plant protecting properties and may be employed advantageously in agricultural practice for controlling or preventing the infestation of plants by phytopathogenic microorganisms, especially fungi. For example, 3-chlorolactic acid was coupled with 4-chlorophenol in 3.3N NaOH to give 3-(4-chlorophenoxy)-2-hydroxypropionic acid. Amidation with 2-[3-methoxy-4-[(prop-2-ynyl)oxy]phenyl]ethylamine•HCl in the presence of N,N-diisopropylethylamine in DMF, followed by etherification with propargyl bromide in toluene provided the N-(phenethyl)-α-(propargyloxy)propionamide II. The latter showed residual protective action and residual curative action against fungal infestation by *Plasmopara viticola* on vines, *Phytophthora* on tomato plants, and *Phytophthora* on potato plants by 80-100% at 200 ppm. [This abstract record is one of 6 records for this document necessitated by the large number of index entries required to fully index the document and publication system constraints.]

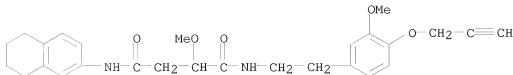
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(Preparation of α-oxygenated or α-thiolated carboxylic acid phenethylamides for controlling fungal infestation in plants)

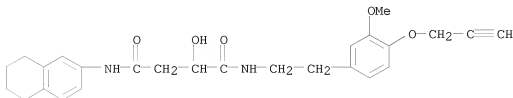
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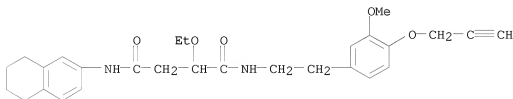
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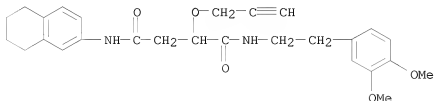
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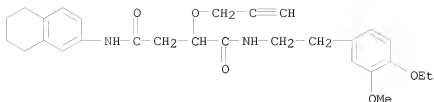
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RN 1067726-18-4 CAPLUS

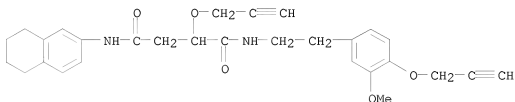
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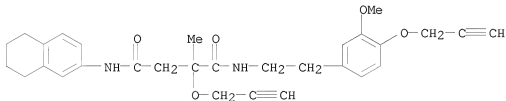
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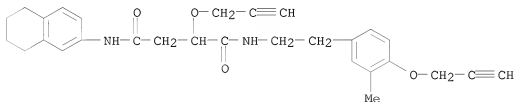
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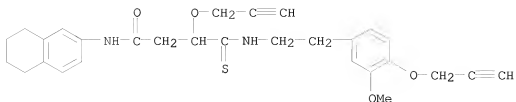
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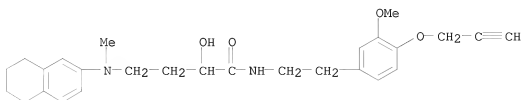
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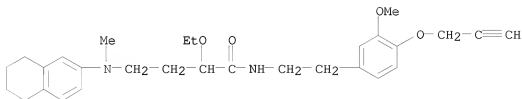
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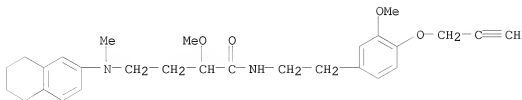
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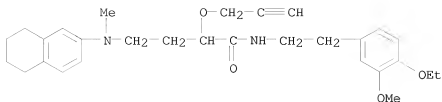


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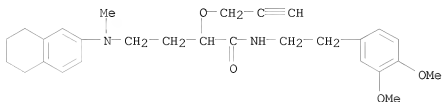


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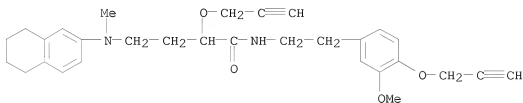
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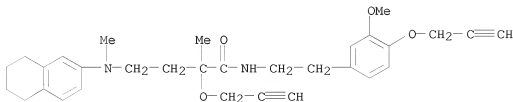
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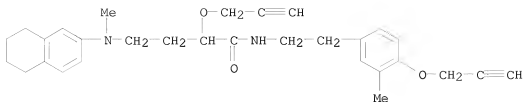
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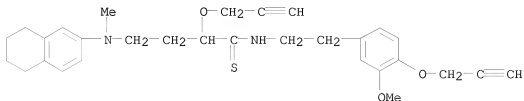
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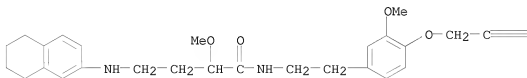


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PAGE 1-A

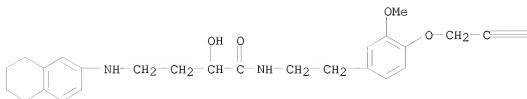


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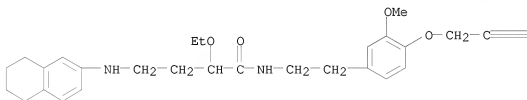
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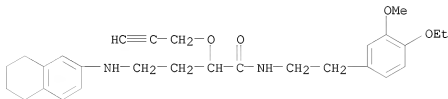


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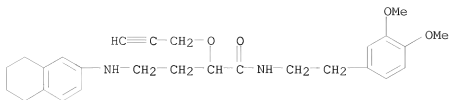
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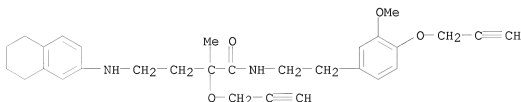
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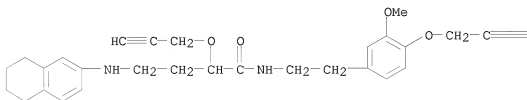
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RN 1067751-09-0 CAPLUS

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PAGE 1-A



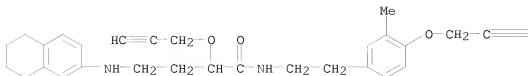
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PAGE 1-A



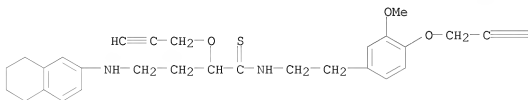
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PAGE 1-A

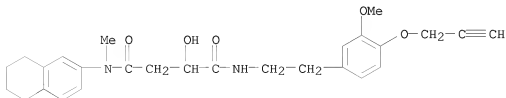


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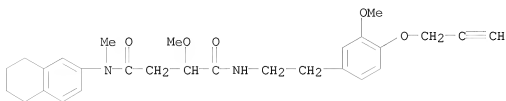
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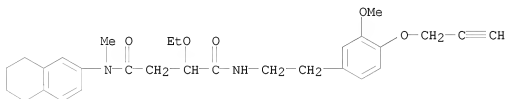
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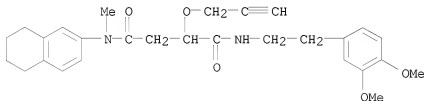
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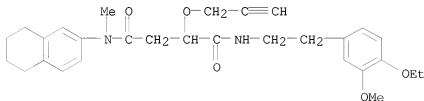
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RN 1067751-43-2 CAPLUS

CN INDEX NAME NOT YET ASSIGNED

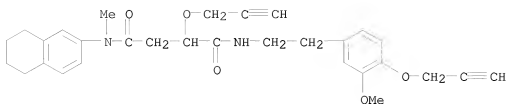


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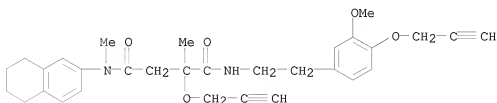


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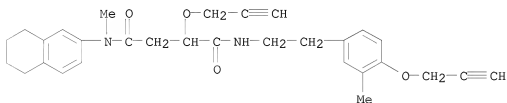
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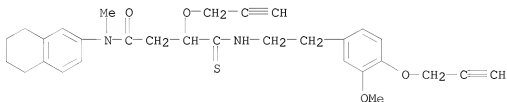
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RN 1067751-47-6 CAPLUS

CN Butanediamic acid, 4-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]amino]-N-methyl-3-(2-propyn-1-yloxy)-N-(5,6,7,8-tetrahydro-2-naphthalenyl)-4-thioxo- (CA INDEX NAME)

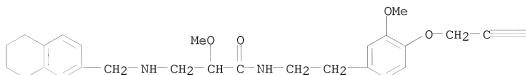


10/513699

RN 1067753-93-8 CAPLUS

CN Propanamide, 2-methoxy-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-3-  
[[ (5,6,7,8-tetrahydro-2-naphthalenyl)methyl]amino]- (CA INDEX NAME)

PAGE 1-A



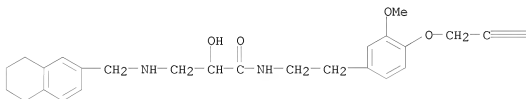
PAGE 1-B

≡ CH

RN 1067753-94-9 CAPLUS

CN Propanamide, 2-hydroxy-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-3-  
[[ (5,6,7,8-tetrahydro-2-naphthalenyl)methyl]amino]- (CA INDEX NAME)

PAGE 1-A



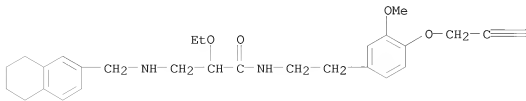
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≡ CH

RN 1067753-95-0 CAPLUS

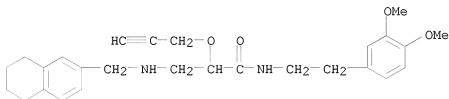
CN Propanamide, 2-ethoxy-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-3-  
[[ (5,6,7,8-tetrahydro-2-naphthalenyl)methyl]amino]- (CA INDEX NAME)

PAGE 1-A

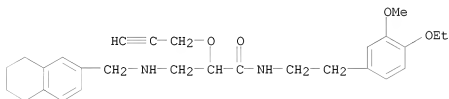


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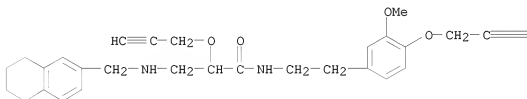
CN Propanamide, N-[2-(3,4-dimethoxyphenyl)ethyl]-2-(2-propyn-1-yloxy)-3-  
[[ (5,6,7,8-tetrahydro-2-naphthalenyl)methyl]amino]- (CA INDEX NAME)

RN 1067753-97-2 CAPLUS

CN Propanamide, N-[2-(4-ethoxy-3-methoxyphenyl)ethyl]-2-(2-propyn-1-yloxy)-3-  
[[ (5,6,7,8-tetrahydro-2-naphthalenyl)methyl]amino]- (CA INDEX NAME)

RN 1067753-98-3 CAPLUS

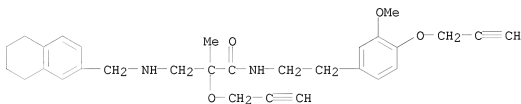
CN Propanamide, N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-2-(2-propyn-1-yloxy)-3-[[ (5,6,7,8-tetrahydro-2-naphthalenyl)methyl]amino]- (CA INDEX NAME)



$\equiv \text{CH}$ 

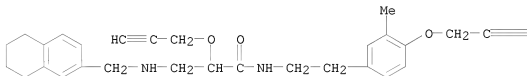
RN 1067753-99-4 CAPLUS

CN Propanamide, N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-2-methyl-2-(2-propyn-1-yloxy)-3-[[ (5,6,7,8-tetrahydro-2-naphthalenyl)methyl]amino]- (CA INDEX NAME)



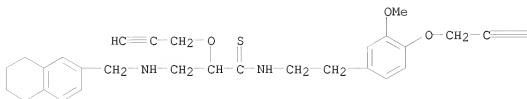
RN 1067754-00-0 CAPLUS

CN Propanamide, N-[2-[3-methyl-4-(2-propyn-1-yloxy)phenyl]ethyl]-2-(2-propyn-1-yloxy)-3-[[ (5,6,7,8-tetrahydro-2-naphthalenyl)methyl]amino]- (CA INDEX NAME)

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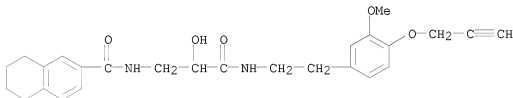
RN 1067754-01-1 CAPLUS

CN Propanethioamide, N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-2-(2-propyn-1-yloxy)-3-[[ (5,6,7,8-tetrahydro-2-naphthalenyl)methyl]amino]- (CA INDEX NAME)


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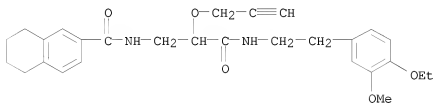
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CN 2-Naphthalenecarboxamide, 5,6,7,8-tetrahydro-N-[2-hydroxy-3-[[2-(3-methoxy-4-(2-propyn-1-yloxy)phenyl)ethyl]amino]-3-oxopropyl]- (CA INDEX NAME)



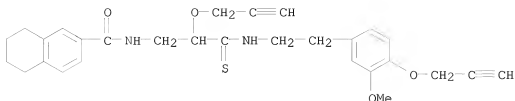
RN 1067766-99-7 CAPLUS

CN 2-Naphthalenecarboxamide, N-[3-[[2-(4-ethoxy-3-methoxyphenyl)ethyl]amino]-3-oxo-2-(2-propyn-1-yloxy)propyl]-5,6,7,8-tetrahydro- (CA INDEX NAME)



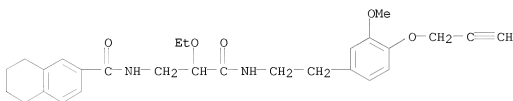
RN 1067767-00-3 CAPLUS

CN 2-Naphthalenecarboxamide, 5,6,7,8-tetrahydro-N-[3-[[2-(3-methoxy-4-(2-propyn-1-yloxy)phenyl)ethyl]amino]-2-(2-propyn-1-yloxy)-3-thioxopropyl]- (CA INDEX NAME)



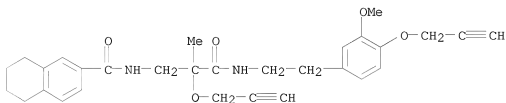
RN 1067767-87-6 CAPLUS

CN 2-Naphthalenecarboxamide, N-[2-ethoxy-3-[[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]amino]-3-oxopropyl]-5,6,7,8-tetrahydro- (CA INDEX NAME)



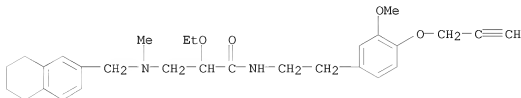
RN 1067767-88-7 CAPLUS

CN 2-Naphthalenecarboxamide, 5,6,7,8-tetrahydro-N-[3-[[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]amino]-2-methyl-3-oxo-2-(2-propyn-1-yloxy)propyl]- (CA INDEX NAME)



RN 1067769-33-8 CAPLUS

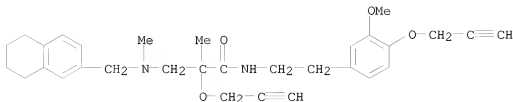
CN Propanamide, 2-ethoxy-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-3-[methyl[(5,6,7,8-tetrahydro-2-naphthalenyl)methyl]amino]- (CA INDEX NAME)



RN 1067769-34-9 CAPLUS

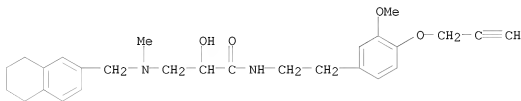
CN Propanamide, N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-2-methyl-3-[methyl[(5,6,7,8-tetrahydro-2-naphthalenyl)methyl]amino]-2-(2-propyn-1-yloxy)- (CA INDEX NAME)

yloxy)- (CA INDEX NAME)



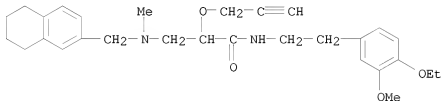
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CN Propanamide, 2-hydroxy-N-[2-{3-methoxy-4-(2-propyn-1-yloxy)phenyl}ethyl]-3-[methyl[(5,6,7,8-tetrahydro-2-naphthalenyl)methyl]amino]- (CA INDEX NAME)



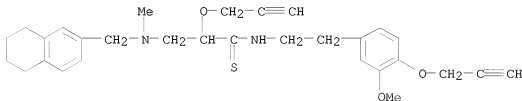
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CN INDEX NAME NOT YET ASSIGNED



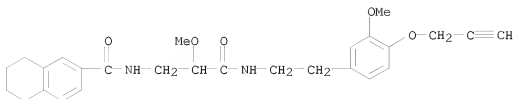
RN 1067770-23-3 CAPLUS

CN Propanethioamide, N-[2-{3-methoxy-4-(2-propyn-1-yloxy)phenyl}ethyl]-3-[methyl[(5,6,7,8-tetrahydro-2-naphthalenyl)methyl]amino]-2-(2-propyn-1-yloxy)- (CA INDEX NAME)



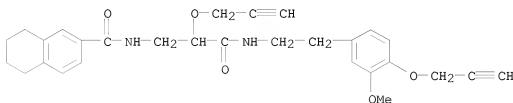
RN 1067771-37-2 CAPLUS

CN 2-Naphthalenecarboxamide, 5,6,7,8-tetrahydro-N-[2-methoxy-3-[[2-{3-methoxy-4-(2-propyn-1-yloxy)phenyl}ethyl]amino]-3-oxopropyl]- (CA INDEX NAME)



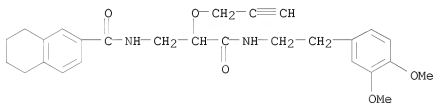
RN 1067771-39-4 CAPLUS

CN 2-Naphthalenecarboxamide, 5,6,7,8-tetrahydro-N-[3-[[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]amino]-3-oxo-2-(2-propyn-1-yloxy)propyl]- (CA INDEX NAME)



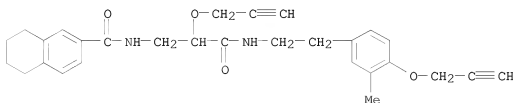
RN 1067772-27-3 CAPLUS

CN 2-Naphthalenecarboxamide, N-[3-[[2-(3,4-dimethoxyphenyl)ethyl]amino]-3-oxo-2-(2-propyn-1-yloxy)propyl]-5,6,7,8-tetrahydro- (CA INDEX NAME)



RN 1067772-28-4 CAPLUS

CN 2-Naphthalenecarboxamide, 5,6,7,8-tetrahydro-N-[3-[[2-[3-methyl-4-(2-propyn-1-yloxy)phenyl]ethyl]amino]-3-oxo-2-(2-propyn-1-yloxy)propyl]- (CA INDEX NAME)

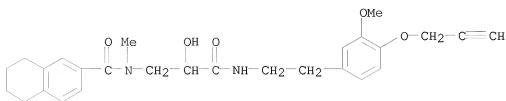


RN 1067773-43-6 CAPLUS

CN 2-Naphthalenecarboxamide, 5,6,7,8-tetrahydro-N-[2-hydroxy-3-[[2-[3-methoxy-

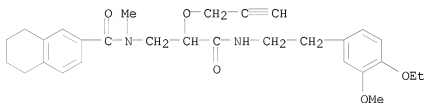


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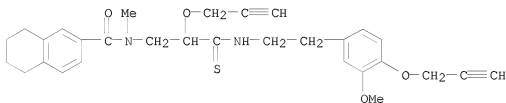
RN 1067773-44-7 CAPLUS

CN 2-Naphthalenecarboxamide, N-[3-[[2-(4-ethoxy-3-methoxyphenyl)ethyl]amino]-3-oxo-2-(2-propyn-1-yloxy)propyl]-5,6,7,8-tetrahydro-N-methyl- (CA INDEX NAME)



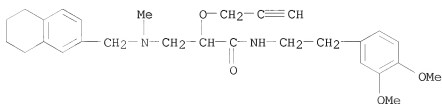
RN 1067773-45-8 CAPLUS

CN 2-Naphthalenecarboxamide, 5,6,7,8-tetrahydro-N-[3-[[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]amino]-2-(2-propyn-1-yloxy)-3-thioxopropyl]-N-methyl- (CA INDEX NAME)



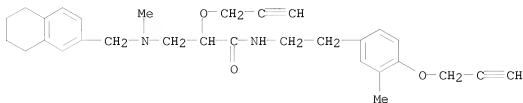
RN 1067774-60-0 CAPLUS

CN Propanamide, N-[2-(3,4-dimethoxyphenyl)ethyl]-3-[methyl[(5,6,7,8-tetrahydro-2-naphthalenyl)methyl]amino]-2-(2-propyn-1-yloxy)- (CA INDEX NAME)



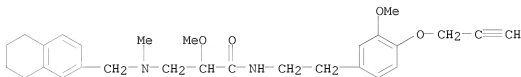
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CN Propanamide, N-[2-[3-methyl-4-(2-propyn-1-yloxy)phenyl]ethyl]-3-[methyl[(5,6,7,8-tetrahydro-2-naphthalenyl)methyl]amino]-2-(2-propyn-1-yloxy)- (CA INDEX NAME)



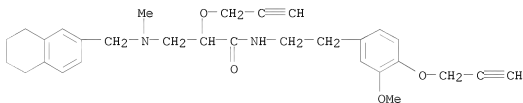
RN 1067775-48-7 CAPLUS

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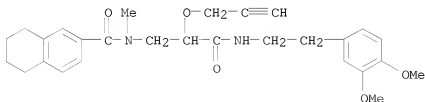
RN 1067775-49-8 CAPLUS

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RN 1067780-47-5 CAPLUS

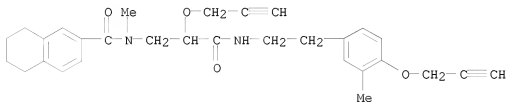
CN 2-Naphthalenecarboxamide, N-[3-[[2-(3,4-dimethoxyphenyl)ethyl]amino]-3-oxo-2-(2-propyn-1-yloxy)propyl]-5,6,7,8-tetrahydro-N-methyl- (CA INDEX NAME)



10/513699

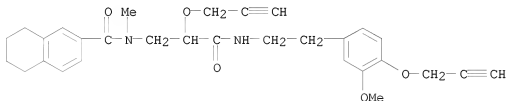
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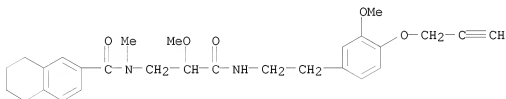
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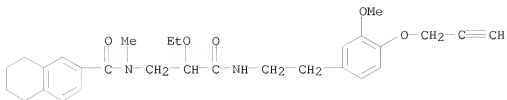
RN 1067782-23-3 CAPLUS

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(CA INDEX NAME)



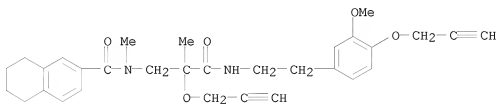
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CN 2-Naphthalenecarboxamide, N-[2-ethoxy-3-[[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]amino]-3-oxopropyl]-5,6,7,8-tetrahydro-N-methyl-  
(CA INDEX NAME)



RN 1067784-10-4 CAPLUS

CN 2-Naphthalenecarboxamide, 5,6,7,8-tetrahydro-N-[3-[[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]amino]-2-methyl-3-oxo-2-(2-propyn-1-yloxy)propyl]-N-methyl- (CA INDEX NAME)



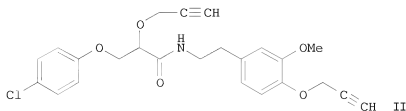
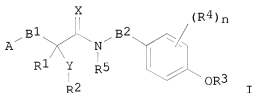
REFERENCE COUNT:

7

THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 8 OF 47 CAPLUS COPYRIGHT 2009 ACS on STN  
 ACCESSION NUMBER: 2003:1014565 CAPLUS  
 DOCUMENT NUMBER: 138:411229  
 TITLE: Preparation of  $\alpha$ -oxygenated or  $\alpha$ -thiolated  
 carboxylic acid phenethylamides for controlling fungal  
 infestation in plants  
 INVENTOR(S): Zeller, Martin; Lamberth, Clemens; Kriz, Miroslav  
 PATENT ASSIGNEE(S): Syngenta Participations A.-G., Switz.  
 SOURCE: PCT Int. Appl., 100 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003042167 A1		20030522	WO 2002-XB12845	20021115
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, CY, DE, DK, ES, FI, FR, GA, GB, GR, IE, IT, LU, MC, ML, MR, NE, NL, PT, SE, SN, TD, TG, TR PRIORITY APPLN. INFO.: GB 2001-27556 20011116 GI				



AB Title compds. I [wherein A = (un)substituted (hetero)aryl; X = O or S; Y = O or S; R1 = H, (halo)alkyl, (halo)alkenyl, (halo)alkynyl, or (halo)cycloalkyl; R2 and R3 = independently H, (halo)alkyl, (halo)alkenyl, (halo)alkynyl, (halo)cycloalkyl(alkyl), (halo)alkoxyalkyl, (halo)alkoxyalkenyl, (halo)alkoxyalkynyl, or (un)substituted aryl(oxy)alkyl, arylalkenyl, or arylalkynyl; or R3 = (un)substituted

heteroarylalkyl, heteroarylalkenyl, or heteroarylalkynyl; R4 = halo, CN, NO2, NH2, CHO, CO2H, (halo)alkyl, (halo)alkenyl(oxy), (halo)alkynyl(oxy), (halo)alkoxy(alkyl), (halo)alkylthio, (halo)alkanoyl, (halo)(di)alkylamino, or (halo)alkoxycarbonyl; R5 = H, alkyl, alkenyl, or alkynyl; n = 0-4; B1 = (CR10R11)q or (CHR10R11)rZ(CR12R13)s; q = 2-4; r = 0-3; s = 1-3; r + s = 1-3; Z = O, S, SO, SO2, NR6, CO, OCO, CO2, NR6CO, or CONR6; R6 = H or alkyl; R10-R13 = independently H or alkyl; B2 = alkylene bridge; and optical isomers and mixts. thereof] were prepared. These compds. possess useful plant protecting properties and may be employed advantageously in agricultural practice for controlling or preventing the infestation of plants by phytopathogenic microorganisms, especially fungi. For example, 3-chlorolactic acid was coupled with 4-chlorophenol in 3.3N NaOH to give 3-(4-chlorophenoxy)-2-hydroxypropionic acid. Amidation with 2-[3-methoxy-4-[(prop-2-ynyl)oxy]phenyl]ethylamine•HCl in the presence of N,N-diisopropylethylamine in DMF, followed by etherification with propargyl bromide in toluene provided the N-(phenethyl)-α-(propargyloxy)propionamide II. The latter showed residual protective action and residual curative action against fungal infestation by *Plasmopara viticola* on vines, *Phytophthora* on tomato plants, and *Phytophthora* on potato plants by 80-100% at 200 ppm. [This abstract record is one of 6 records for this document necessitated by the large number of index entries required to fully index the document and publication system constraints.]

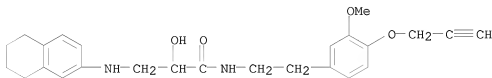
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	1067407-84-4	1067407-85-5	1067407-86-6
	1067407-87-7	1067407-88-8	1067407-89-9

RL: PRPH (Prophetic)

(Preparation of α-oxygenated or α-thiolated carboxylic acid phenethylamides for controlling fungal infestation in plants)

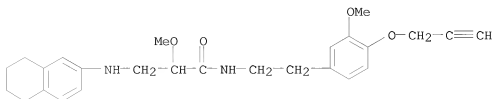
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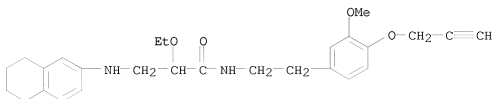
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CN Propanamide, 2-methoxy-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-3-[(5,6,7,8-tetrahydro-2-naphthalenyl)amino]- (CA INDEX NAME)



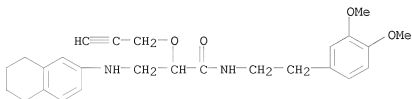
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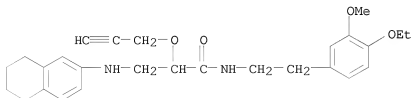
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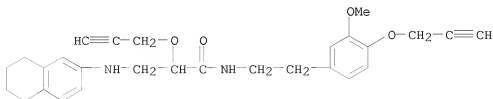
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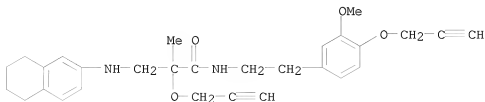
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10/513699

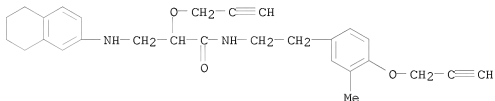
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CN Propanamide, N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-2-methyl-2-(2-propyn-1-yloxy)-3-[(5,6,7,8-tetrahydro-2-naphthalenyl)amino]- (CA INDEX NAME)



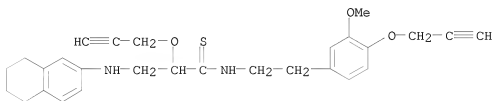
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CN Propanamide, N-[2-[3-methyl-4-(2-propyn-1-yloxy)phenyl]ethyl]-2-(2-propyn-1-yloxy)-3-[(5,6,7,8-tetrahydro-2-naphthalenyl)amino]- (CA INDEX NAME)



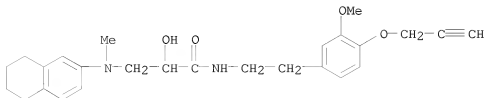
RN 1067363-23-8 CAPLUS

CN Propanethioamide, N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-2-(2-propyn-1-yloxy)-3-[(5,6,7,8-tetrahydro-2-naphthalenyl)amino]- (CA INDEX NAME)



RN 1067407-81-1 CAPLUS

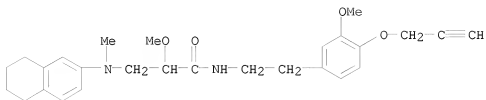
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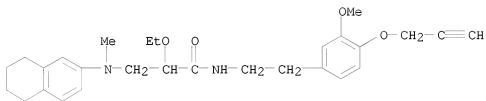


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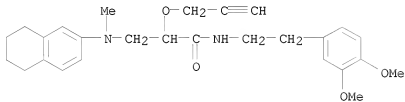
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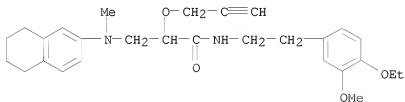
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RN 1067407-84-4 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

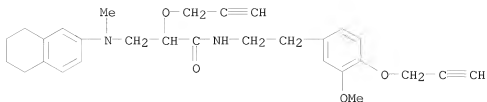


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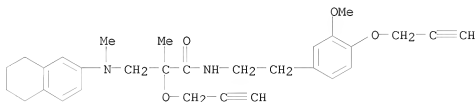


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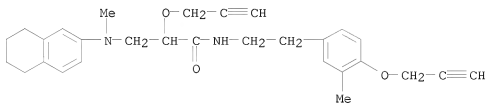
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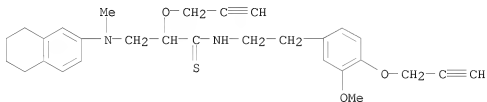
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RN 1067407-88-8 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED



RN 1067407-89-9 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED



REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 9 OF 47 CAPLUS COPYRIGHT 2009 ACS on STN  
 ACCESSION NUMBER: 2003:696854 CAPLUS  
 DOCUMENT NUMBER: 139:214722  
 TITLE: Preparation of (substituted)acyl dipeptidyl inhibitors of the ICE/ced-3 family of cysteine proteases  
 INVENTOR(S): Karanewsky, Donald S.; Kalish, Vincent J.; Robinson, Edard D.; Ullman, Brett R.  
 PATENT ASSIGNEE(S): Idun Pharmaceuticals, Inc., USA  
 SOURCE: PCT Int. Appl., 87 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003072528	A2	20030904	WO 2003-US3987	20030207 <--
WO 2003072528	A3	20040325		
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AU 2003248360	A1	20030909	AU 2003-248360	20030207 <--
US 20030232788	A1	20031218	US 2003-360559	20030207 <--
EP 1480999	A2	20041201	EP 2003-743123	20030207 <--
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PRIORITY APPLN. INFO.:			US 2002-355390P	P 20020208
			WO 2003-US3987	W 20030207

## ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OTHER SOURCE(S): MARPAT 139:214722

AB Compds. R1(CH<sub>2</sub>)nCH<sub>2</sub>CO-A-NHCH[(CH<sub>2</sub>)qCO<sub>2</sub>R3]CO-B [A is a natural or unnatural amino acid; B = H, D, alkyl, cycloalkyl, (un)substituted Ph or naphthyl, 2-benzoxazolyl, halomethyl, (CH<sub>2</sub>)mcycloalkyl, (CH<sub>2</sub>)m(1- or 2-naphthyl), substituted 2-oxazolyl, (un)substituted (CH<sub>2</sub>)mphenyl, CH<sub>2</sub>OCO(aryl), or CH<sub>2</sub>OCO(heteroaryl), etc.; R1 = (un)substituted cycloalkyl, Ph, naphthyl, or heteroaryl; R2 = H, alkyl, cycloalkyl, (un)substituted Ph, (CH<sub>2</sub>)mNH<sub>2</sub>, (un)substituted (CH<sub>2</sub>)mphenyl, (CH<sub>2</sub>)mcycloalkyl, (CH<sub>2</sub>)mheteroaryl, etc.; R3 = H, alkyl, cycloalkyl, (cycloalkyl)alkyl, (un)substituted phenylalkyl; m = 1-4, n = 0-2; q = 1-2] or their pharmaceutically-acceptable salts were prepared as inhibitors of the ICE/ced-3 family of cysteine proteases (ICE = interleukin-1 $\beta$  converting enzyme). Thus, coupling of (1-naphthyl)acetic acid with (3S)-3-(leucinylamino)-4-oxobutanoic acid tert-Bu ester semicarbazone (preparation given) followed by deprotection of the resulting intermediate with TFA, and treatment with a 3:1:1 solution of MeOH/ACOH/37% HCHO afforded (3S)-3-[[N-[(1-naphthyl)acetyl]leucinylamino]-4-oxobutanoic acid. The invention is also directed to pharmaceutical compns. containing these compds., as well as the use of such compns. in the treatment of patients suffering

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inflammatory, autoimmune and neurodegenerative diseases, for the prevention of ischemic injury, and for the preservation of organs that are to undergo a transplantation procedure.

IT 1080814-59-0

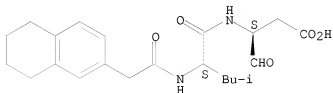
RL: PRPH (Prophetic)

(Preparation of (substituted)acyl dipeptidyl inhibitors of the ICE/ced-3 family of cysteine proteases)

RN 1080814-59-0 CAPLUS

CN INDEX NAME NOT YET ASSIGNED

Absolute stereochemistry.



OS.CITING REF COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD  
(1 CITINGS)

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 10 OF 47 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2003:472358 CAPLUS

DOCUMENT NUMBER: 139:53025

TITLE: Preparation of vanilloid receptor ligands and their use in treatments

INVENTOR(S): Bo, Yunxin Y.; Chakrabarti, Partha P.; Chen, Ning; Doherty, Elizabeth M.; Fotsch, Christopher H.; Han, Nianhe; Kelly, Michael G.; Liu, Qingyan; Norman, Mark Henry; Wang, Xianghong; Zhu, Jiawang; Ognyanov, Vassil; Bo, Yunxin Y.; Chakrabarti, Partha P.; Chen, Ning; Doherty, Elizabeth M.; Fotsch, Christopher H.; Han, Nianhe; Kelly, Michael; Liu, Qingyan; et al.

PATENT ASSIGNEE(S): Amgen Inc., USA; et al.

SOURCE: PCT Int. Appl., 611 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003049702	A2	20030619	WO 2002-US39589	20021210 <--
WO 2003049702	A3	20040212		
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AU 2002364549	A1	20030623	AU 2002-364549	20021210 <--
AU 2002364549	B2	20071122		
US 20030195201	A1	20031016	US 2002-316295	20021210 <--
US 7582657	B2	20090901		
EP 1463714	A2	20041006	EP 2002-799927	20021210 <--
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EP 1764358	A2	20070321	EP 2006-10087	20021210
EP 1764358	A3	20070328		
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 US 20040038969 A1 20040226 US 2003-445170 20030520 <--  
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 EP 1688408 A2 20060809 EP 2006-8551 20030808  
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 MX 2004005427 A 20050419 MX 2004-5427 20040604  
 MX 2004011472 A 20050214 MX 2004-11472 20041118  
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 US 7579347 B2 20090825  
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 US 20060030618 A1 20060209 US 2005-100272 20050405  
 US 20050267163 A1 20051201 US 2005-195302 20050801  
 US 7524874 B2 20090428  
 US 20050272777 A1 20051208 US 2005-195159 20050801  
 US 7332511 B2 20080219  
 US 20050277631 A1 20051215 US 2005-195134 20050801  
 US 7148221 B2 20061212  
 US 20050277646 A1 20051215 US 2005-195303 20050801  
 US 7396831 B2 20080708  
 AU 2007200149 A1 20070201 AU 2007-200149 20070115  
 AU 2008020517 A1 20080626 AU 2008-202517 20080605  
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 US 2001-344737P P 20011221  
 US 2002-383331P P 20020522  
 US 2002-402422P P 20020808  
 AU 2002-364549 A3 20021210  
 EP 2002-799927 A3 20021210  
 US 2002-316295 A3 20021210  
 WO 2002-US39589 W 20021210  
 US 2003-445170 A3 20030520  
 WO 2003-US16655 W 20030520  
 AU 2003-264047 A3 20030808  
 EP 2003-785220 A3 20030808  
 US 2003-638009 A3 20030808  
 US 2005-100077 A3 20050405

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OTHER SOURCE(S): MARPAT 139:53025

AB Claimed are compds. having the general structure R1CR2:CR3C:(X)YR4 or  
 R1R2CHCR3R3C:(X)YR4 (I; variables defined below; e.g.

(2E)-3-[4-(tert-butyl)phenyl]-N-phenylprop-2-enamide and (2,3-dihydrobenzo[1,4]dioxin-6-yl)[4-(4-dimethylaminophenyl)pyridin-2-yl]amine) and compns. containing them, for the treatment of acute, inflammatory and neuropathic pain, dental pain, general headache, migraine, cluster headache, mixed-vascular and nonvascular syndromes, tension headache, , general inflammation arthritis, rheumatic diseases, osteoarthritis, inflammatory bowel disorders, inflammatory eye disorders, inflammatory or unstable bladder disorders, psoriasis, skin complaints with inflammatory components, chronic inflammatory conditions, inflammatory pain and associated hyperalgesia and allodynia, neuropathy pain and associated hyperalgesia and allodynia, diabetic neuropathy pain, causalgia, sympathetically maintained pain, deafferentiation syndromes, asthma, epithelial tissue damage or dysfunction, herpes simplex, disturbances of visceral motility at respiratory, genitourinary, gastrointestinal or vascular regions, wounds, burns, allergic skin reactions, pruritis, vitiligo, general gastrointestinal disorders, gastric ulceration, duodenal ulcers, diarrhea, gastric lesions induced by necrotising agents, hair growth, vasomotor or allergic rhinitis, bronchial disorders or bladder disorders. I are thought to be vanilloid receptor ligands, but no test data are provided. Although the methods of preparation are not claimed, .apprx.130 example preps. and characterization data for .apprx.400 I are included. For I: R1 is Ph, naphthyl or (un)saturated 5- or 6-membered ring heterocycle; R2 is H, hydroxy, halo, C1-6alkyl, or (un)saturated 5- or 6-membered ring heterocycle; or R1 and R2 together are o-benzenediyl-L1-o-benzenediyl. R3 is H or C1-4alkyl; or R1 and R3 together are o-benzenediyl-L2- or -Z-L2- (Z = pyridine-2,3-diyl). R4 is Ph, (un)saturated 5- or 6-membered ring heterocycle, 10-membered bicyclic ring comprising fused 6-membered rings, containing 0-4 N atoms with the remainder being C atoms, with at least one of the 6-membered rings being aromatic; X is O, S or NRA; or X and R2 together are :N-CH:CH-, :C-O-, :C-S-, or :C-NRA-; Y is NH or O; addnl. details including provisos are given in the claims.

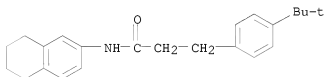
IT 1064718-76-8

RL: PRPH (Prophetic)

(Preparation of vanilloid receptor ligands and their use in treatments)

RN 1064718-76-8 CAPLUS

CN Benzenepropanamide, 4-(1,1-dimethylethyl)-N-(5,6,7,8-tetrahydro-2-naphthalenyl)- (CA INDEX NAME)



OS.CITING REF COUNT: 29 THERE ARE 29 CAPLUS RECORDS THAT CITE THIS RECORD (66 CITINGS)

L5 ANSWER 11 OF 47 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2003:396732 CAPLUS

DOCUMENT NUMBER: 138:385175

TITLE: Preparation of  
N-[(propargyloxy)phenyl]alkylarylacetamides for  
controlling fungal infestations in plants

INVENTOR(S): Zeller, Martin; Lamberth, Clemens

PATENT ASSIGNEE(S): Syngenta Participations A.-G., Switz.

SOURCE: PCT Int. Appl., 61 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

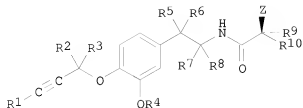
LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

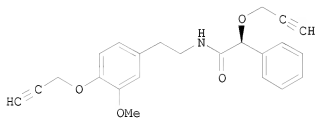
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003041728	A1	20030522	WO 2002-EP12848	20021115 <--
WO 2003041728	A9	20040422		
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AT 292108	T	20050415	AT 2002-798312	20021115
JP 2005519030	T	20050630	JP 2003-543615	20021115
ES 2239272	T3	20050916	ES 2002-798312	20021115
IN 2004DN01098	A	20050401	IN 2004-DN1098	20040423
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MX 2004004550	A	20040813	MX 2004-4550	20040513 <--
CN 101421230	A	20090429	CN 2002-822692	20040514
KR 897729	B1	20090515	KR 2004-707452	20040514
PRIORITY APPLN. INFO.:			GB 2001-27554	A 20011116
			WO 2002-EP12848	W 20021115
ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT				
OTHER SOURCE(S):		MARPAT 138:385175		
GI				





I



II

AB Title Ph propargyl ether derivs. I [wherein R1 = H, (cyclo)alkyl, or (un)substituted aryl; R2 and R3 = independently H or alkyl; R4 = aryl, alkenyl, or alkynyl; R5-R8 = independently H or alkyl; R9 = H or (un)substituted alkyl, alkenyl, or alkynyl; R10 = (un)substituted (hetero)aryl; Z = (un)substituted aryloxy, alkoxy, alkenyloxy, or alkenyloxy; and optical isomers and mixts. thereof] were prepared These compds. possess useful plant protecting properties and may be employed advantageously in agricultural practice for controlling or preventing the infestation of plants by phytopathogenic microorganisms, especially fungi. For example, reaction of 2-[3-methoxy-4-[(prop-2-ynyl)oxy]phenyl]ethylamine•HCl and L-(+)-mandelic acid in the presence of N,N-diisopropylethylamine in DMF gave the amide. Etherification with propargyl bromide in toluene provided II. The latter showed residual protective action and residual curative action against fungal infestation by *Plasmopara viticola* on vines, *Phytophthora* on tomato plants, and *Phytophthora* on potato plants by 80-100% at 200 ppm.

IT	1055179-98-0	1055181-48-0	1055182-12-1
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	1055183-41-9	1055185-17-5	1055185-18-6
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	1055186-59-8	1055189-32-6	1055189-33-7
	1055189-34-8	1055189-35-9	1055199-07-9
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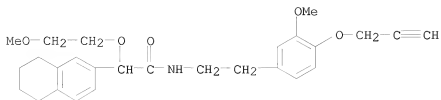
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(Preparation of N-[[[(propargyloxy)phenyl]alkyl]aryl]acetamides for controlling fungal infestations in plants)

RN 1055179-98-0 CAPLUS

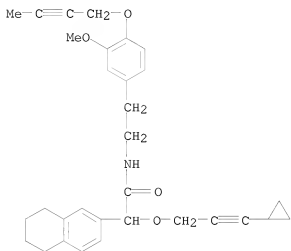
CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro- $\alpha$ -(2-methoxyethoxy)-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- (CA INDEX NAME)

10/513699



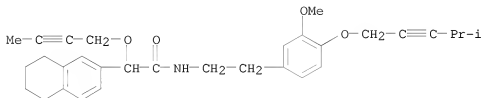
RN 1055181-48-0 CAPLUS

CN 2-Naphthaleneacetamide, N-[2-[4-(2-butyne-1-yloxy)-3-methoxyphenyl]ethyl]-  
 $\alpha$ -(3-cyclopropyl-2-propyn-1-yl)oxy]-5,6,7,8-tetrahydro- (CA INDEX  
 NAME)



RN 1055182-12-1 CAPLUS

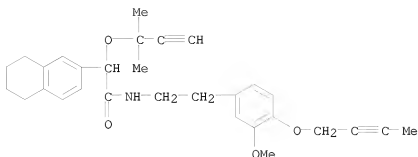
CN INDEX NAME NOT YET ASSIGNED



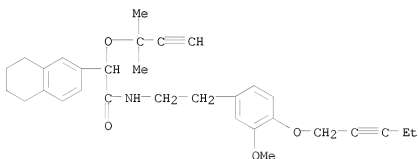
RN 1055182-57-4 CAPLUS

CN 2-Naphthaleneacetamide, N-[2-[4-(2-butyne-1-yloxy)-3-methoxyphenyl]ethyl]-  
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 NAME)

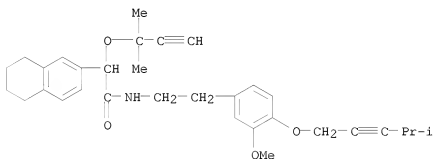
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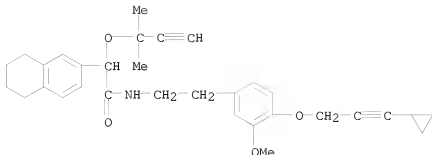
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RN 1055182-59-6 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

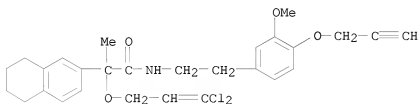


RN 1055182-60-9 CAPLUS  
CN 2-Naphthaleneacetamide, N-[2-[4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]ethyl]-α-[(1,1-dimethyl-2-propyn-1-yl)oxy]-5,6,7,8-tetrahydro- (CA INDEX NAME)



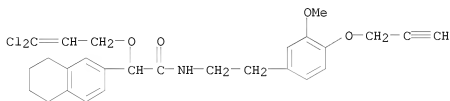
RN 1055183-36-2 CAPLUS

CN 2-Naphthaleneacetamide,  $\alpha$ -[(3,3-dichloro-2-propen-1-yl)oxy]-5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- $\alpha$ -methyl- (CA INDEX NAME)



RN 1055183-37-3 CAPLUS

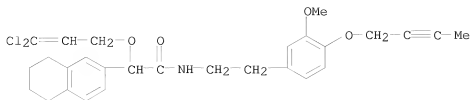
CN 2-Naphthaleneacetamide,  $\alpha$ -[(3,3-dichloro-2-propen-1-yl)oxy]-5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- (CA INDEX NAME)



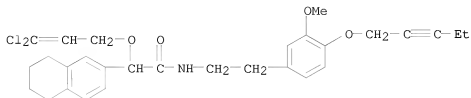
RN 1055183-38-4 CAPLUS

CN 2-Naphthaleneacetamide, N-[2-[4-(2-butyn-1-yloxy)-3-methoxyphenyl]ethyl]- $\alpha$ -[(3,3-dichloro-2-propen-1-yl)oxy]-5,6,7,8-tetrahydro- (CA INDEX NAME)

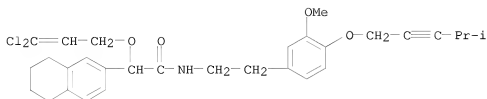
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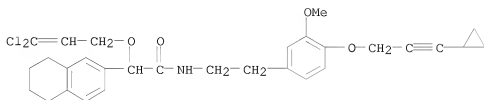
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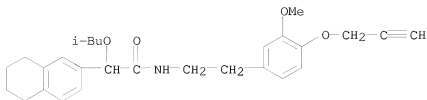
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CN INDEX NAME NOT YET ASSIGNED



RN 1055183-41-9 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

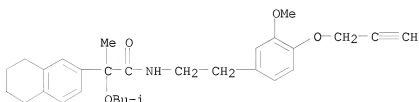


RN 1055185-17-5 CAPLUS  
CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-α-(2-methylpropoxy)- (CA INDEX NAME)



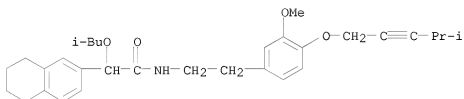
RN 1055185-18-6 CAPLUS

CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-(3-methoxy-4-(2-propyn-1-yloxy)phenyl)ethyl]-α-methyl-α-(2-methylpropoxy)- (CA INDEX NAME)



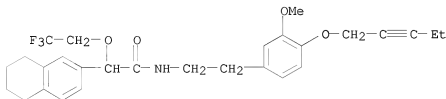
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CN INDEX NAME NOT YET ASSIGNED



RN 1055186-14-5 CAPLUS

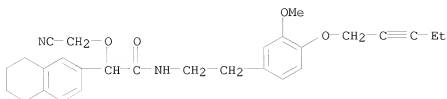
CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-(3-methoxy-4-(2-pentyn-1-yloxy)phenyl)ethyl]-α-(2,2,2-trifluoroethoxy)- (CA INDEX NAME)



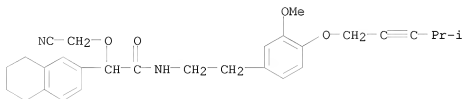
RN 1055186-58-7 CAPLUS

CN 2-Naphthaleneacetamide, α-(cyanomethoxy)-5,6,7,8-tetrahydro-N-[2-(3-methoxy-4-(2-pentyn-1-yloxy)phenyl)ethyl]- (CA INDEX NAME)

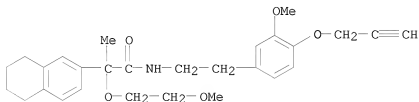
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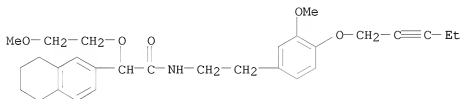
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CN INDEX NAME NOT YET ASSIGNED



RN 1055189-32-6 CAPLUS  
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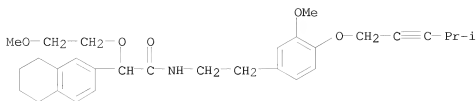


RN 1055189-33-7 CAPLUS  
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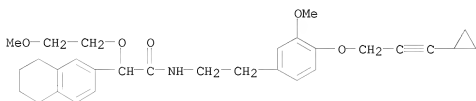
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CN INDEX NAME NOT YET ASSIGNED





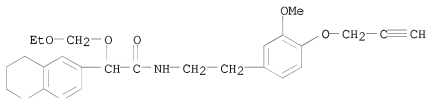
RN 1055189-35-9 CAPLUS

CN 2-Naphthaleneacetamide, N-[2-[4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro-α-(2-methoxyethoxy)- (CA INDEX NAME)



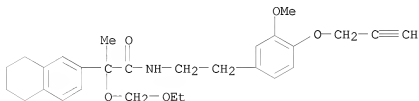
RN 1055199-07-9 CAPLUS

CN 2-Naphthaleneacetamide, α-(ethoxymethoxy)-5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- (CA INDEX NAME)



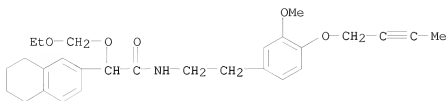
RN 1055199-08-0 CAPLUS

CN 2-Naphthaleneacetamide, α-(ethoxymethoxy)-5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-α-methyl- (CA INDEX NAME)

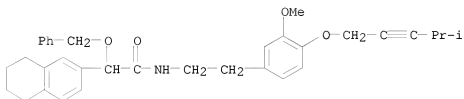


RN 1055199-09-1 CAPLUS

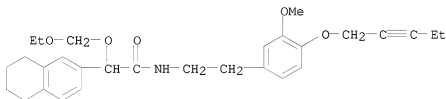
CN 2-Naphthaleneacetamide, N-[2-[4-(2-butyn-1-yloxy)-3-methoxyphenyl]ethyl]-α-(ethoxymethoxy)-5,6,7,8-tetrahydro- (CA INDEX NAME)



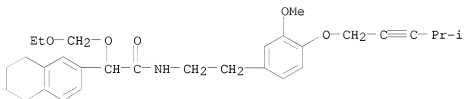
RN 1055203-51-4 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED



RN 1055203-63-8 CAPLUS  
CN 2-Naphthaleneacetamide,  $\alpha$ -(ethoxymethoxy)-5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-pentyn-1-yloxy)phenyl]ethyl]- (CA INDEX NAME)

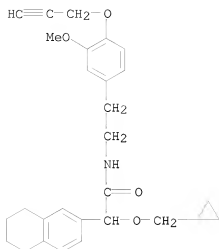


RN 1055203-64-9 CAPLUS  
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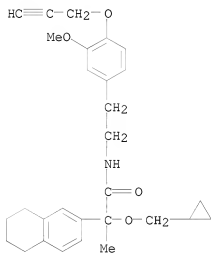


RN 1055206-24-0 CAPLUS  
CN 2-Naphthaleneacetamide,  $\alpha$ -(cyclopropylmethoxy)-5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- (CA INDEX NAME)

10/513699

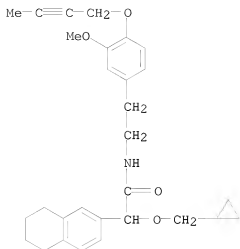


RN 1055206-25-1 CAPLUS  
 CN 2-Naphthaleneacetamide,  $\alpha$ -(cyclopropylmethoxy)-5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- $\alpha$ -methyl- (CA INDEX NAME)



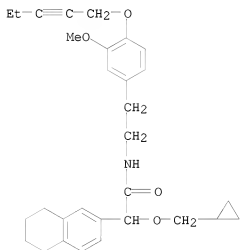
RN 1055206-26-2 CAPLUS  
 CN 2-Naphthaleneacetamide, N-[2-[4-(2-butyn-1-yloxy)-3-methoxyphenyl]ethyl]- $\alpha$ -(cyclopropylmethoxy)-5,6,7,8-tetrahydro- (CA INDEX NAME)

10/513699



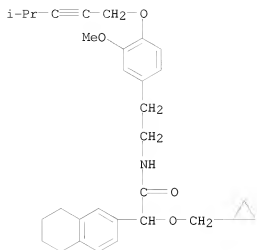
RN 1055206-27-3 CAPLUS

CN 2-Naphthaleneacetamide,  $\alpha$ -(cyclopropylmethoxy)-5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-pentyn-1-yloxy)phenyl]ethyl]- (CA INDEX NAME)



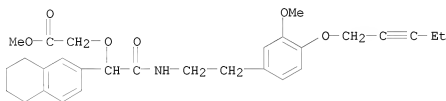
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CN INDEX NAME NOT YET ASSIGNED



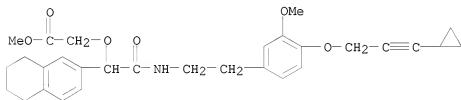
RN 1055207-50-5 CAPLUS

CN Acetic acid, 2-[2-[[2-[3-methoxy-4-(2-pentyn-1-yloxy)phenyl]ethyl]amino]-2-oxo-1-(5,6,7,8-tetrahydro-2-naphthalenyl)ethoxy]-, methyl ester (CA INDEX NAME)



RN 1055207-51-6 CAPLUS

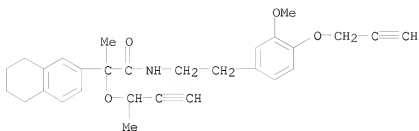
CN Acetic acid, 2-[2-[[2-[4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]ethyl]amino]-2-oxo-1-(5,6,7,8-tetrahydro-2-naphthalenyl)ethoxy]-, methyl ester (CA INDEX NAME)



RN 1055208-05-3 CAPLUS

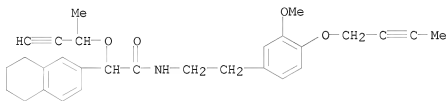
CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-α-methyl-α-[(1-methyl-2-propyn-1-yl)oxy]- (CA INDEX NAME)

10/513699



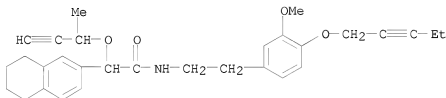
RN 1055208-06-4 CAPLUS

CN 2-Naphthaleneacetamide, N-[2-[4-(2-butyne-1-yloxy)-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro-α-[(1-methyl-2-propyn-1-yl)oxy]- (CA INDEX NAME)



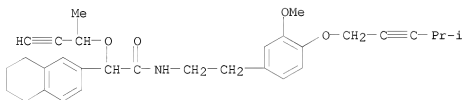
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CN INDEX NAME NOT YET ASSIGNED



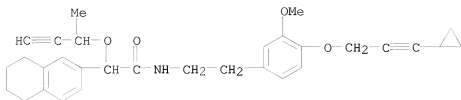
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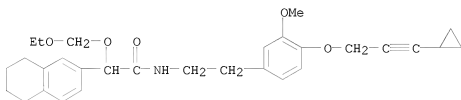
RN 1055208-09-7 CAPLUS

CN 2-Naphthaleneacetamide, N-[2-[4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro-α-[(1-methyl-2-propyn-1-yl)oxy]- (CA INDEX NAME)



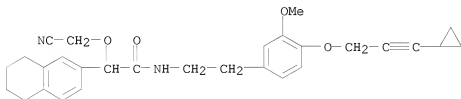
RN 1055208-72-4 CAPLUS

CN 2-Naphthaleneacetamide, N-[2-[4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]ethyl]-α-(ethoxymethoxy)-5,6,7,8-tetrahydro- (CA INDEX NAME)



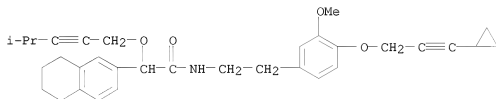
RN 1055209-45-4 CAPLUS

CN 2-Naphthaleneacetamide, α-(cyanomethoxy)-N-[2-[4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro- (CA INDEX NAME)



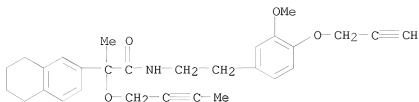
RN 1055210-27-9 CAPLUS

CN INDEX NAME NOT YET ASSIGNED

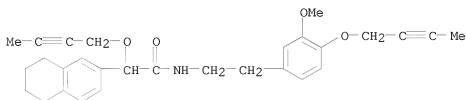


RN 1055214-37-3 CAPLUS

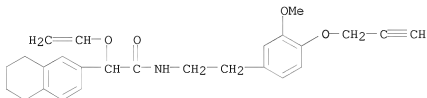
CN 2-Naphthaleneacetamide, α-(2-butyn-1-yloxy)-5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-α-methyl- (CA INDEX NAME)



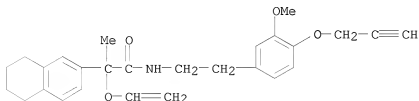
RN 1055214-38-4 CAPLUS

CN 2-Naphthaleneacetamide,  $\alpha$ -(2-butyne-1-yloxy)-N-[2-[4-(2-butyne-1-yloxy)-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro- (CA INDEX NAME)

RN 1055215-71-8 CAPLUS

CN 2-Naphthaleneacetamide,  $\alpha$ -(ethenyloxy)-5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- (CA INDEX NAME)

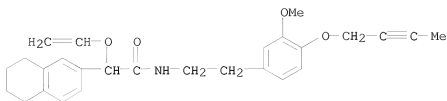
RN 1055215-72-9 CAPLUS

CN 2-Naphthaleneacetamide,  $\alpha$ -(ethenyloxy)-5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- $\alpha$ -methyl- (CA INDEX NAME)

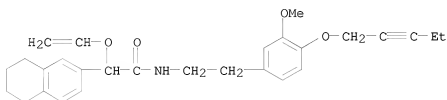
RN 1055215-73-0 CAPLUS

CN 2-Naphthaleneacetamide, N-[2-[4-(2-butyne-1-yloxy)-3-methoxyphenyl]ethyl]- $\alpha$ -(ethenyloxy)-5,6,7,8-tetrahydro- (CA INDEX NAME)



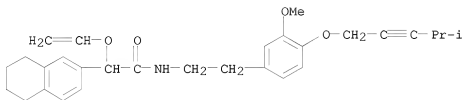


RN 1055215-74-1 CAPLUS

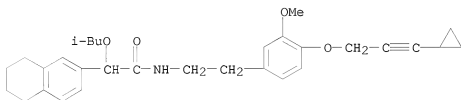
CN 2-Naphthaleneacetamide,  $\alpha$ -(ethenyloxy)-5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-pentyn-1-yloxy)phenyl]ethyl]- (CA INDEX NAME)

RN 1055215-75-2 CAPLUS

CN INDEX NAME NOT YET ASSIGNED

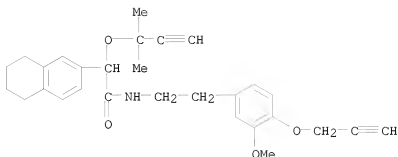


RN 1055216-06-2 CAPLUS

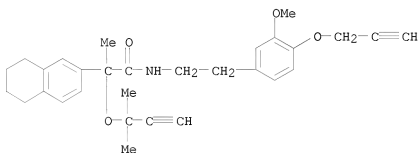
CN 2-Naphthaleneacetamide, N-[2-[4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro- $\alpha$ -(2-methylpropoxy)- (CA INDEX NAME)

RN 1055216-39-1 CAPLUS

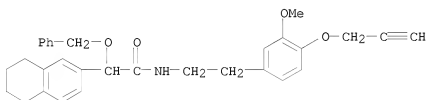
CN 2-Naphthaleneacetamide,  $\alpha$ -[(1,1-dimethyl-2-propyn-1-yl)oxy]-5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- (CA INDEX NAME)



RN 1055216-40-4 CAPLUS

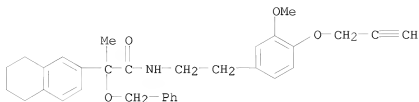
CN 2-Naphthaleneacetamide,  $\alpha$ -[(1,1-dimethyl-2-propyn-1-yl)oxy]-5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- $\alpha$ -methyl- (CA INDEX NAME)

RN 1055216-75-5 CAPLUS

CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- $\alpha$ -(phenylmethoxy)- (CA INDEX NAME)

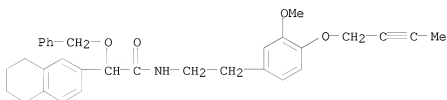
RN 1055216-76-6 CAPLUS

CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- $\alpha$ -methyl- $\alpha$ -(phenylmethoxy)- (CA INDEX NAME)



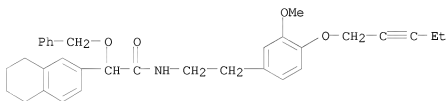
RN 1055216-77-7 CAPLUS

CN 2-Naphthaleneacetamide, N-[2-[4-(2-butyne-1-yloxy)-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro-α-(phenylmethoxy)- (CA INDEX NAME)



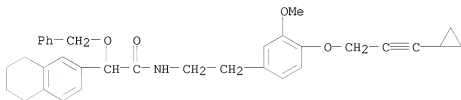
RN 1055216-78-8 CAPLUS

CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-pentyn-1-yloxy)phenyl]ethyl]-α-(phenylmethoxy)- (CA INDEX NAME)



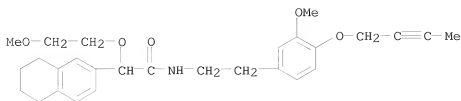
RN 1055216-79-9 CAPLUS

CN 2-Naphthaleneacetamide, N-[2-[4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro-α-(phenylmethoxy)- (CA INDEX NAME)



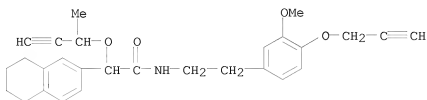
RN 1055216-94-8 CAPLUS

CN 2-Naphthaleneacetamide, N-[2-[4-(2-butyne-1-yloxy)-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro-α-(2-methoxyethoxy)- (CA INDEX NAME)



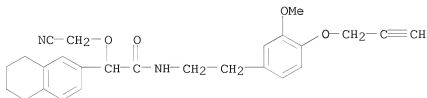
RN 1055217-05-4 CAPLUS

CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-{3-methoxy-4-(2-propyn-1-yloxy)phenyl}ethyl]-α-[(1-methyl-2-propyn-1-yl)oxy]- (CA INDEX NAME)



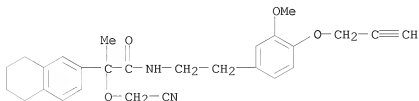
RN 1055217-88-3 CAPLUS

CN 2-Naphthaleneacetamide, α-(cyanomethoxy)-5,6,7,8-tetrahydro-N-[2-{3-methoxy-4-(2-propyn-1-yloxy)phenyl}ethyl]- (CA INDEX NAME)



RN 1055217-89-4 CAPLUS

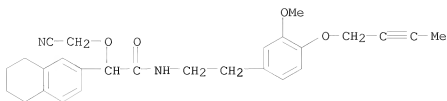
CN 2-Naphthaleneacetamide, α-(cyanomethoxy)-5,6,7,8-tetrahydro-N-[2-{3-methoxy-4-(2-propyn-1-yloxy)phenyl}ethyl]-α-methyl- (CA INDEX NAME)



RN 1055217-90-7 CAPLUS

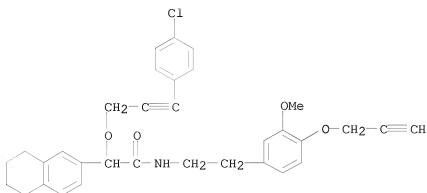
CN 2-Naphthaleneacetamide, N-[2-{4-(2-butyn-1-yloxy)-3-methoxyphenyl}ethyl]-α-(cyanomethoxy)-5,6,7,8-tetrahydro- (CA INDEX NAME)

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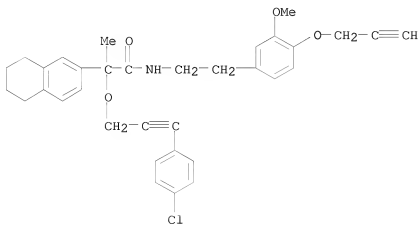
RN 1055218-09-1 CAPLUS

CN 2-Naphthaleneacetamide,  $\alpha$ -[[3-(4-chlorophenyl)-2-propyn-1-yl]oxy]-5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- (CA INDEX NAME)



RN 1055218-10-4 CAPLUS

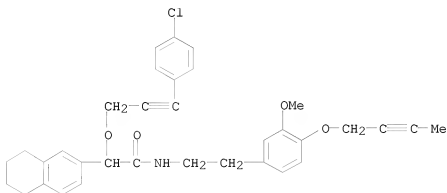
CN 2-Naphthaleneacetamide,  $\alpha$ -[[3-(4-chlorophenyl)-2-propyn-1-yl]oxy]-5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- $\alpha$ -methyl- (CA INDEX NAME)



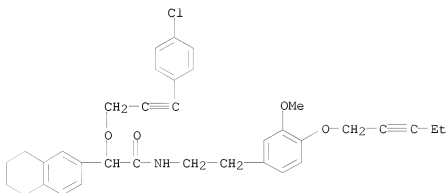
RN 1055218-11-5 CAPLUS

10/513699

CN 2-Naphthaleneacetamide, N-[2-[4-(2-butyn-1-yloxy)-3-methoxyphenyl]ethyl]-  
 $\alpha$ -[[3-(4-chlorophenyl)-2-propyn-1-yl]oxy]-5,6,7,8-tetrahydro- (CA  
INDEX NAME)

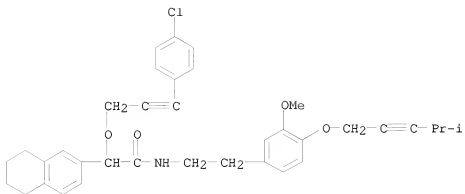


RN 1055218-12-6 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

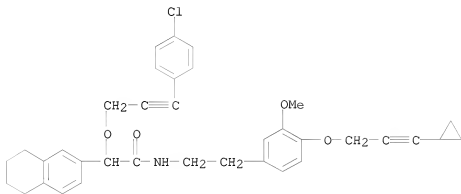


RN 1055218-13-7 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

10/513699

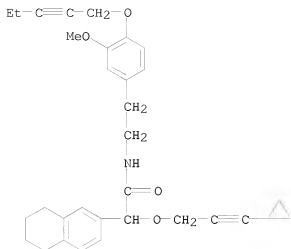


RN 1055218-14-8 CAPLUS  
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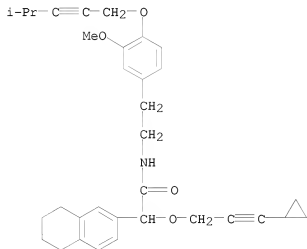


RN 1055219-85-6 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

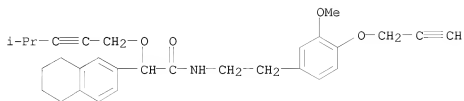
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RN 1055219-86-7 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED



RN 1055220-19-3 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED



RN 1055220-20-6 CAPLUS

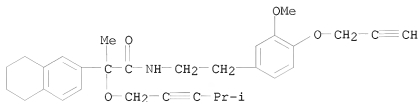
<12/04/2007>

Erich Leese



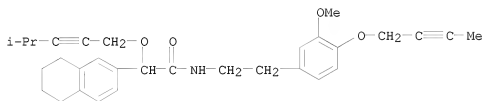
10/513699

CN INDEX NAME NOT YET ASSIGNED



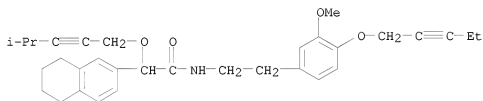
RN 1055220-21-7 CAPLUS

CN INDEX NAME NOT YET ASSIGNED



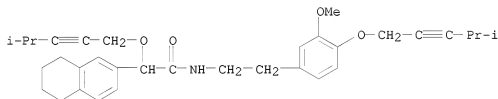
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CN INDEX NAME NOT YET ASSIGNED



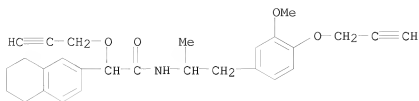
RN 1055220-23-9 CAPLUS

CN INDEX NAME NOT YET ASSIGNED

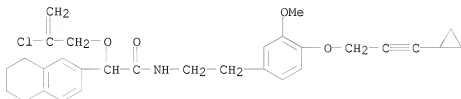


RN 1055221-97-0 CAPLUS

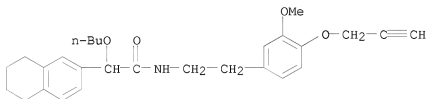
CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]-1-methylethyl]-α-(2-propyn-1-yloxy)- (CA INDEX NAME)



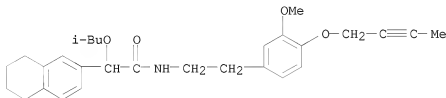
RN 1055222-32-6 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED



RN 1055223-53-4 CAPLUS  
CN 2-Naphthaleneacetamide,  $\alpha$ -butoxy-5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- (CA INDEX NAME)

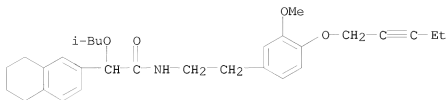


RN 1055224-57-1 CAPLUS  
CN 2-Naphthaleneacetamide, N-[2-[4-(2-butoxy-1-yn-1-yloxy)-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro- $\alpha$ -(2-methylpropoxy)- (CA INDEX NAME)



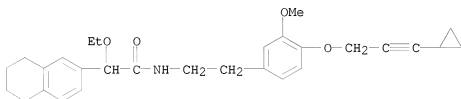
RN 1055224-58-2 CAPLUS  
CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-pentyn-1-yloxy)phenyl]ethyl]- $\alpha$ -(2-methylpropoxy)- (CA INDEX NAME)

10/513699



RN 1055225-51-8 CAPLUS

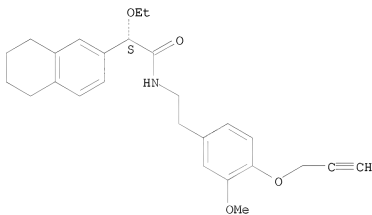
CN 2-Naphthaleneacetamide, N-[2-[4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]ethyl]- $\alpha$ -ethoxy-5,6,7,8-tetrahydro- (CA INDEX NAME)



RN 1055226-07-7 CAPLUS

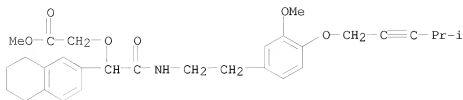
CN 2-Naphthaleneacetamide,  $\alpha$ -ethoxy-5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-, ( $\alpha$ S)- (CA INDEX NAME)

Absolute stereochemistry.



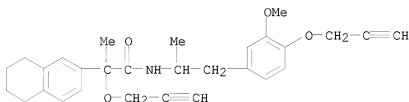
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CN INDEX NAME NOT YET ASSIGNED



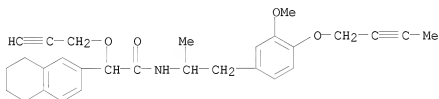
RN 1055228-55-1 CAPLUS

CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]-1-methylethyl]-α-methyl-α-(2-propyn-1-yloxy)- (CA INDEX NAME)



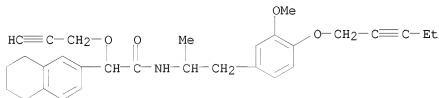
RN 1055228-56-2 CAPLUS

CN 2-Naphthaleneacetamide, N-[2-[4-(2-butyn-1-yloxy)-3-methoxyphenyl]-1-methylethyl]-5,6,7,8-tetrahydro-α-(2-propyn-1-yloxy)- (CA INDEX NAME)



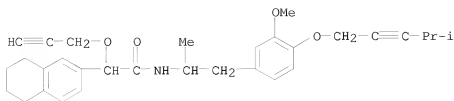
RN 1055228-57-3 CAPLUS

CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-pentyn-1-yloxy)phenyl]-1-methylethyl]-α-(2-propyn-1-yloxy)- (CA INDEX NAME)



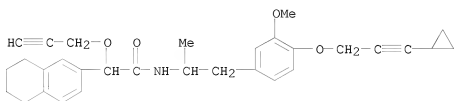
RN 1055228-58-4 CAPLUS

CN INDEX NAME NOT YET ASSIGNED



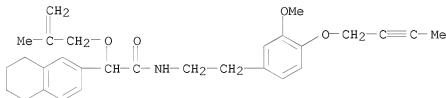
RN 1055228-59-5 CAPLUS

CN 2-Naphthaleneacetamide, N-[2-[4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]-1-methylethyl]-5,6,7,8-tetrahydro-α-(2-propyn-1-yloxy)- (CA INDEX NAME)



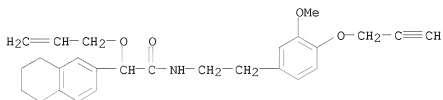
RN 1055229-27-0 CAPLUS

CN 2-Naphthaleneacetamide, N-[2-[4-(2-butyn-1-yloxy)-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro-α-[(2-methyl-2-propen-1-yl)oxy]- (CA INDEX NAME)



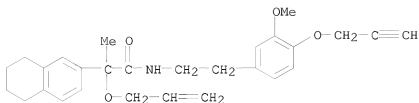
RN 1055230-40-4 CAPLUS

CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-α-(2-propen-1-yloxy)- (CA INDEX NAME)



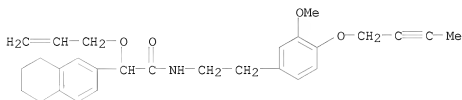
RN 1055230-41-5 CAPLUS

CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-α-methyl-α-(2-propen-1-yloxy)- (CA INDEX NAME)



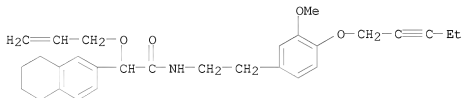
RN 1055230-42-6 CAPLUS

CN 2-Naphthaleneacetamide, N-[2-[4-(2-butyne-1-yloxy)-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro-α-(2-propen-1-yloxy)- (CA INDEX NAME)



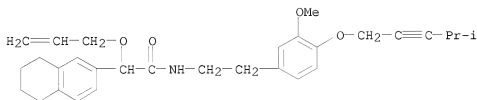
RN 1055230-43-7 CAPLUS

CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-pentyn-1-yloxy)phenyl]ethyl]-α-(2-propen-1-yloxy)- (CA INDEX NAME)



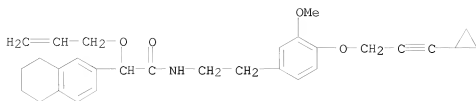
RN 1055230-44-8 CAPLUS

CN INDEX NAME NOT YET ASSIGNED

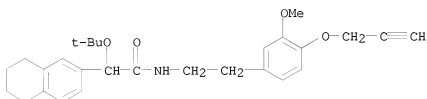


RN 1055230-47-1 CAPLUS

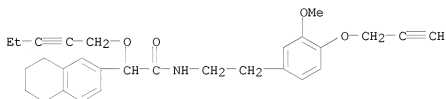
CN 2-Naphthaleneacetamide, N-[2-[4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro-α-(2-propen-1-yloxy)- (CA INDEX NAME)



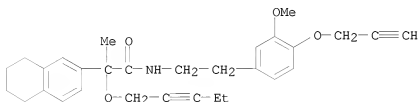
RN 1055230-72-2 CAPLUS

CN 2-Naphthaleneacetamide,  $\alpha$ -(1,1-dimethylethoxy)-5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- (CA INDEX NAME)

RN 1055230-99-3 CAPLUS

CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- $\alpha$ -(2-pentyn-1-yloxy)- (CA INDEX NAME)

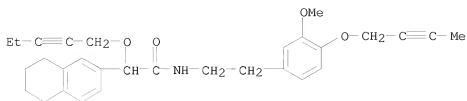
RN 1055231-00-9 CAPLUS

CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- $\alpha$ -methyl- $\alpha$ -(2-pentyn-1-yloxy)- (CA INDEX NAME)

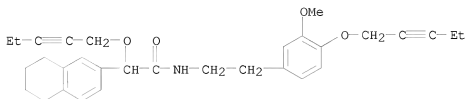
RN 1055231-01-0 CAPLUS

CN 2-Naphthaleneacetamide, N-[2-[4-(2-butyn-1-yloxy)-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro- $\alpha$ -(2-pentyn-1-yloxy)- (CA INDEX NAME)

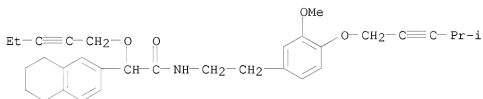
10/513699



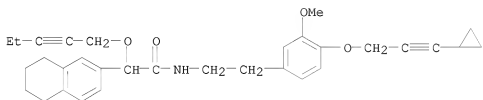
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RN 1055231-03-2 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

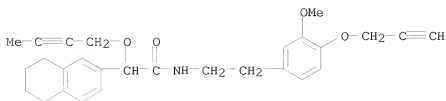


RN 1055231-04-3 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

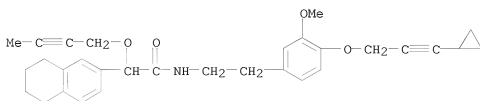


RN 1055232-70-6 CAPLUS  
CN 2-Naphthaleneacetamide,  $\alpha$ -(2-butyn-1-yloxy)-5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- (CA INDEX NAME)

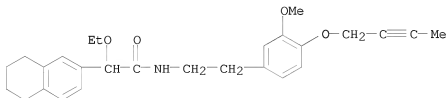




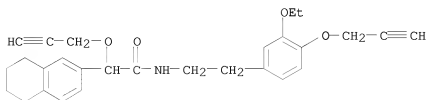
RN 1055232-71-7 CAPLUS

CN 2-Naphthaleneacetamide,  $\alpha$ -(2-butyn-1-yloxy)-N-[2-[4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro- (CA INDEX NAME)

RN 1055236-78-6 CAPLUS

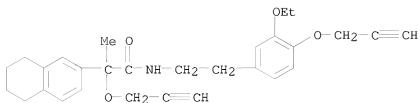
CN 2-Naphthaleneacetamide, N-[2-[4-(2-butyn-1-yloxy)-3-methoxyphenyl]ethyl]- $\alpha$ -ethoxy-5,6,7,8-tetrahydro- (CA INDEX NAME)

RN 1055238-63-5 CAPLUS

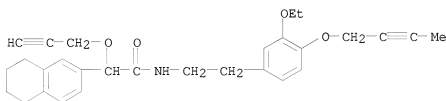
CN 2-Naphthaleneacetamide, N-[2-[3-ethoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-5,6,7,8-tetrahydro- $\alpha$ -(2-propyn-1-yloxy)- (CA INDEX NAME)

RN 1055238-64-6 CAPLUS

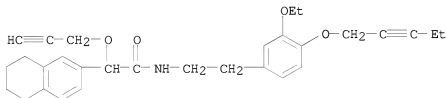
CN 2-Naphthaleneacetamide, N-[2-[3-ethoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-5,6,7,8-tetrahydro- $\alpha$ -methyl- $\alpha$ -(2-propyn-1-yloxy)- (CA INDEX NAME)



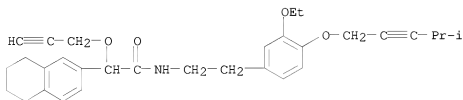
RN 1055238-65-7 CAPLUS  
 CN 2-Naphthaleneacetamide, N-[2-[4-(2-butyne-1-yloxy)-3-ethoxyphenyl]ethyl]-5,6,7,8-tetrahydro-α-(2-propyn-1-yloxy)- (CA INDEX NAME)



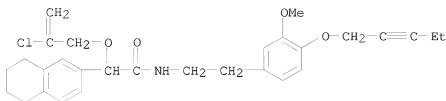
RN 1055238-66-8 CAPLUS  
 CN 2-Naphthaleneacetamide, N-[2-[3-ethoxy-4-(2-pentyne-1-yloxy)phenyl]ethyl]-5,6,7,8-tetrahydro-α-(2-propyn-1-yloxy)- (CA INDEX NAME)



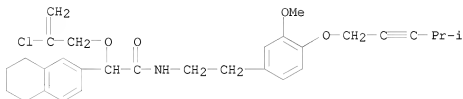
RN 1055238-67-9 CAPLUS  
 CN INDEX NAME NOT YET ASSIGNED



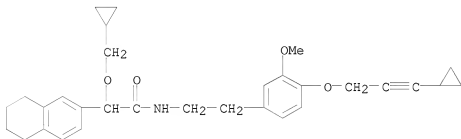
RN 1055240-59-9 CAPLUS  
 CN INDEX NAME NOT YET ASSIGNED



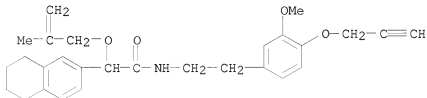
RN 1055240-60-2 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED



RN 1055242-23-3 CAPLUS  
CN 2-Naphthaleneacetamide,  $\alpha$ -(cyclopropylmethoxy)-N-[2-[4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro- (CA INDEX NAME)



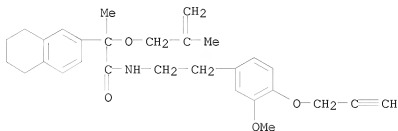
RN 1055243-85-0 CAPLUS  
CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- $\alpha$ [(2-methyl-2-propen-1-yl)oxy]- (CA INDEX NAME)



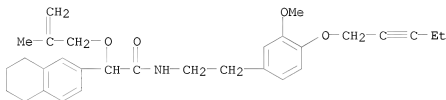
RN 1055243-86-1 CAPLUS

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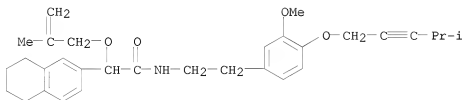
CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- $\alpha$ -methyl- $\alpha$ -(2-methyl-2-propen-1-yl oxy)-  
(CA INDEX NAME)



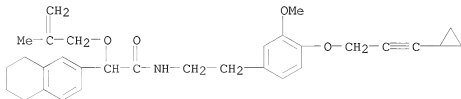
RN 1055243-87-2 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED



RN 1055243-88-3 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED



RN 1055243-89-4 CAPLUS  
CN 2-Naphthaleneacetamide, N-[2-[4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro- $\alpha$ -(2-methyl-2-propen-1-yl)oxy)-  
(CA INDEX NAME)

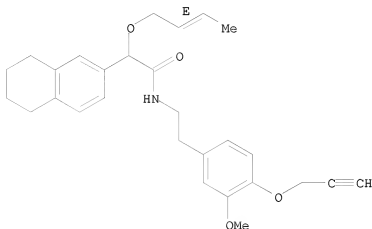


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RN 1055244-11-5 CAPLUS

CN 2-Naphthaleneacetamide,  $\alpha$ -[(2E)-2-buten-1-yloxy]-5,6,7,8-tetrahydro-  
N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- (CA INDEX NAME)

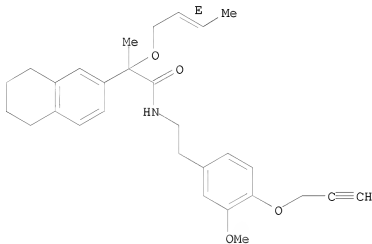
Double bond geometry as shown.



RN 1055244-12-6 CAPLUS

CN 2-Naphthaleneacetamide,  $\alpha$ -[(2E)-2-buten-1-yloxy]-5,6,7,8-tetrahydro-  
N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- $\alpha$ -methyl- (CA  
INDEX NAME)

Double bond geometry as shown.

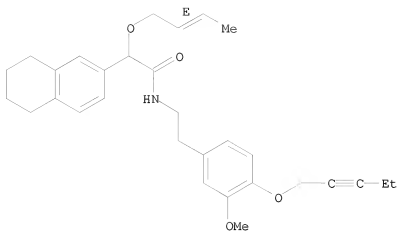


RN 1055244-13-7 CAPLUS

CN 2-Naphthaleneacetamide,  $\alpha$ -[(2E)-2-buten-1-yloxy]-5,6,7,8-tetrahydro-  
N-[2-[3-methoxy-4-(2-pentyn-1-yloxy)phenyl]ethyl]- (CA INDEX NAME)

Double bond geometry as shown.

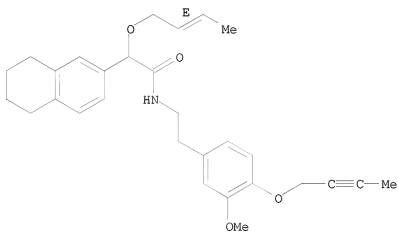
10/513699



RN 1055244-14-8 CAPLUS

CN 2-Naphthaleneacetamide, α-[(2E)-2-buten-1-yloxy]-N-[2-[4-(2-butyne-1-yloxy)-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro- (CA INDEX NAME)

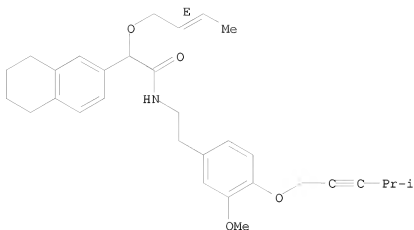
Double bond geometry as shown.



RN 1055244-15-9 CAPLUS

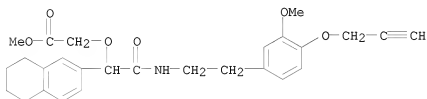
CN INDEX NAME NOT YET ASSIGNED

Double bond geometry as shown.



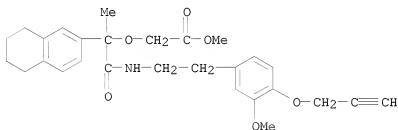
RN 1055247-12-5 CAPLUS

CN Acetic acid, 2-[2-[[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]amino]-2-oxo-1-(5,6,7,8-tetrahydro-2-naphthalenyl)ethoxy]-, methyl ester (CA INDEX NAME)



RN 1055247-15-8 CAPLUS

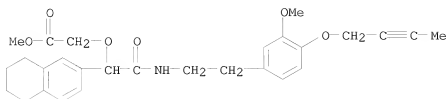
CN Acetic acid, 2-[2-[[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]amino]-1-methyl-2-oxo-1-(5,6,7,8-tetrahydro-2-naphthalenyl)ethoxy]-, methyl ester (CA INDEX NAME)



RN 1055247-16-9 CAPLUS

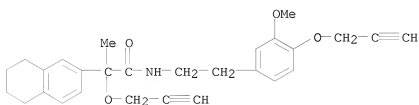
CN Acetic acid, 2-[2-[[2-[4-(2-butyn-1-yloxy)-3-methoxyphenyl]ethyl]amino]-2-oxo-1-(5,6,7,8-tetrahydro-2-naphthalenyl)ethoxy]-, methyl ester (CA INDEX NAME)

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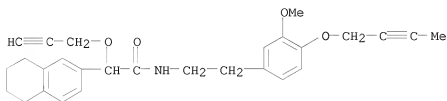
RN 1055249-28-9 CAPLUS

CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-α-methyl-α-(2-propyn-1-yloxy)- (CA INDEX NAME)



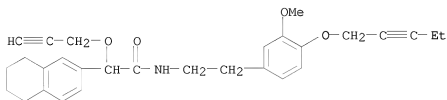
RN 1055249-29-0 CAPLUS

CN 2-Naphthaleneacetamide, N-[2-[4-(2-butyn-1-yloxy)-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro-α-(2-propyn-1-yloxy)- (CA INDEX NAME)



RN 1055249-30-3 CAPLUS

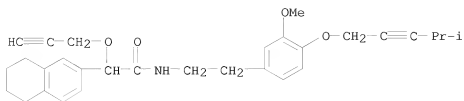
CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-pentyn-1-yloxy)phenyl]ethyl]-α-(2-propyn-1-yloxy)- (CA INDEX NAME)



RN 1055249-33-6 CAPLUS

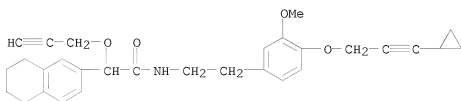
CN INDEX NAME NOT YET ASSIGNED





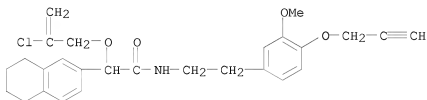
RN 1055249-34-7 CAPLUS

CN 2-Naphthaleneacetamide, N-[2-[4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro-α-(2-propyn-1-yloxy)- (CA INDEX NAME)



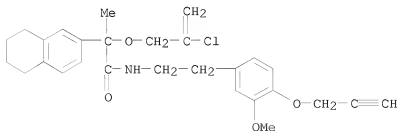
RN 1055250-39-9 CAPLUS

CN 2-Naphthaleneacetamide, α-[(2-chloro-2-propen-1-yl)oxy]-5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- (CA INDEX NAME)



RN 1055250-41-3 CAPLUS

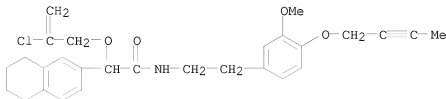
CN 2-Naphthaleneacetamide, α-[(2-chloro-2-propen-1-yl)oxy]-5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-α-methyl- (CA INDEX NAME)



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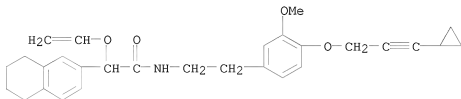
RN 1055250-45-7 CAPLUS

CN 2-Naphthaleneacetamide, N-[2-[4-(2-butyne-1-yloxy)-3-methoxyphenyl]ethyl]-  
 $\alpha$ -[(2-chloro-2-propen-1-yl)oxy]-5,6,7,8-tetrahydro- (CA INDEX NAME)



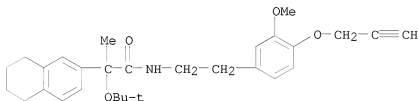
RN 1055253-12-7 CAPLUS

CN 2-Naphthaleneacetamide, N-[2-[4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]ethyl]- $\alpha$ -(ethenyloxy)-5,6,7,8-tetrahydro- (CA INDEX NAME)



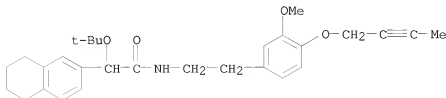
RN 1055254-60-8 CAPLUS

CN 2-Naphthaleneacetamide,  $\alpha$ -(1,1-dimethylethoxy)-5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- $\alpha$ -methyl- (CA INDEX NAME)



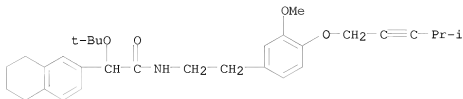
RN 1055254-61-9 CAPLUS

CN 2-Naphthaleneacetamide, N-[2-[4-(2-butyne-1-yloxy)-3-methoxyphenyl]ethyl]-  
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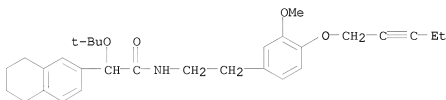


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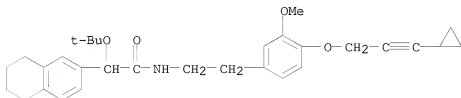
RN 1055254-62-0 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED



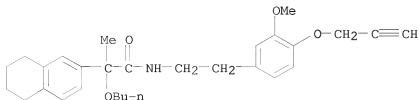
RN 1055254-63-1 CAPLUS  
CN 2-Naphthaleneacetamide,  $\alpha$ -(1,1-dimethylethoxy)-5,6,7,8-tetrahydro-N-[2-(3-methoxy-4-(2-pentyn-1-yloxy)phenyl)ethyl]- (CA INDEX NAME)



RN 1055254-64-2 CAPLUS  
CN 2-Naphthaleneacetamide, N-[2-[4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]ethyl]- $\alpha$ -(1,1-dimethylethoxy)-5,6,7,8-tetrahydro- (CA INDEX NAME)



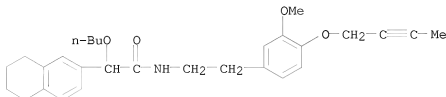
RN 1055255-69-0 CAPLUS  
CN 2-Naphthaleneacetamide,  $\alpha$ -butoxy-5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- $\alpha$ -methyl- (CA INDEX NAME)



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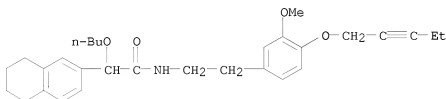
RN 1055255-70-3 CAPLUS

CN 2-Naphthaleneacetamide,  $\alpha$ -butoxy-N-[2-[4-(2-butyne-1-yloxy)-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro- (CA INDEX NAME)



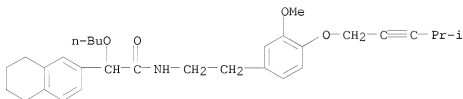
RN 1055255-71-4 CAPLUS

CN 2-Naphthaleneacetamide,  $\alpha$ -butoxy-5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-pentyne-1-yloxy)phenyl]ethyl]- (CA INDEX NAME)



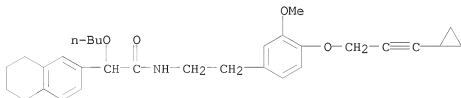
RN 1055255-72-5 CAPLUS

CN INDEX NAME NOT YET ASSIGNED



RN 1055255-73-6 CAPLUS

CN 2-Naphthaleneacetamide,  $\alpha$ -butoxy-N-[2-[4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro- (CA INDEX NAME)



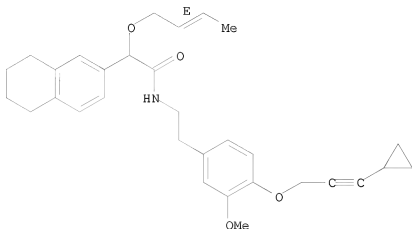
RN 1055256-73-9 CAPLUS

CN 2-Naphthaleneacetamide,  $\alpha$ -[(2E)-2-buten-1-yloxy]-N-[2-[4-[(3-

10/513699

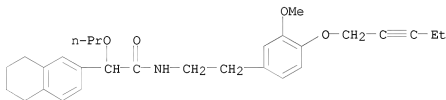
cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro-  
(CA INDEX NAME)

Double bond geometry as shown.



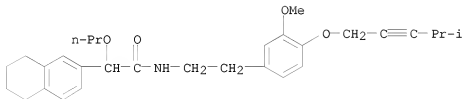
RN 1055258-31-5 CAPLUS

CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-([3-methoxy-4-(2-pentyn-1-yloxy)phenyl]ethyl)-alpha-propoxy- (CA INDEX NAME)



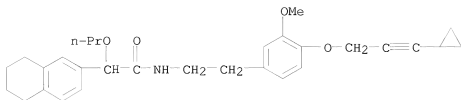
RN 1055258-32-6 CAPLUS

CN INDEX NAME NOT YET ASSIGNED



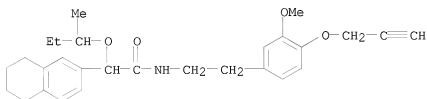
RN 1055258-33-7 CAPLUS

CN 2-Naphthaleneacetamide, N-[2-([4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]ethyl)-5,6,7,8-tetrahydro-alpha-propoxy- (CA INDEX NAME)



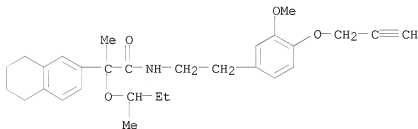
RN 1055261-20-5 CAPLUS

CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-α-(1-methylpropoxy)- (CA INDEX NAME)



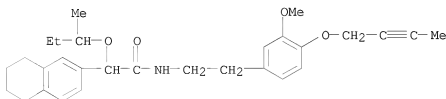
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CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-α-methyl-α-(1-methylpropoxy)- (CA INDEX NAME)



RN 1055261-22-7 CAPLUS

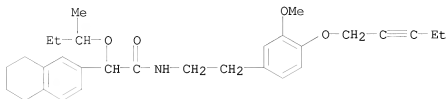
CN 2-Naphthaleneacetamide, N-[2-[4-(2-butyn-1-yloxy)-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro-α-(1-methylpropoxy)- (CA INDEX NAME)



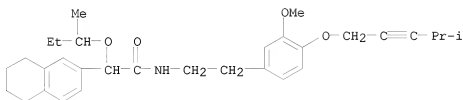
RN 1055261-23-8 CAPLUS

CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-pentyn-1-yloxy)phenyl]ethyl]-α-methyl-α-(1-methylpropoxy)- (CA INDEX NAME)

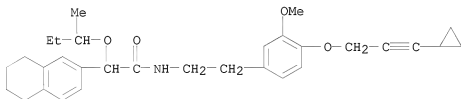
yloxy)phenyl]ethyl]- $\alpha$ -(1-methylpropoxy)- (CA INDEX NAME)



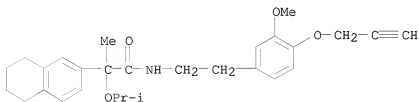
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CN INDEX NAME NOT YET ASSIGNED



RN 1055261-25-0 CAPLUS  
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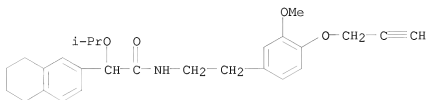


RN 1055262-68-4 CAPLUS  
CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- $\alpha$ -methyl- $\alpha$ -(1-methylethoxy)- (CA INDEX NAME)



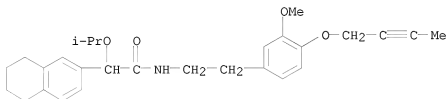
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CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-

yloxy)phenyl]ethyl]- $\alpha$ -(1-methylethoxy)- (CA INDEX NAME)



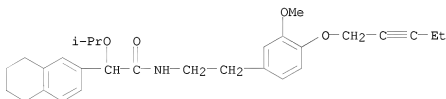
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CN 2-Naphthaleneacetamide, N-[2-[4-(2-butyne-1-yloxy)-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro- $\alpha$ -(1-methylethoxy)- (CA INDEX NAME)



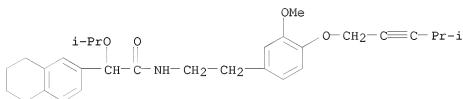
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CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-pentyn-1-yloxy)phenyl]ethyl]- $\alpha$ -(1-methylethoxy)- (CA INDEX NAME)



RN 1055262-76-4 CAPLUS

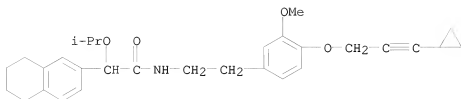
CN INDEX NAME NOT YET ASSIGNED



RN 1055262-78-6 CAPLUS

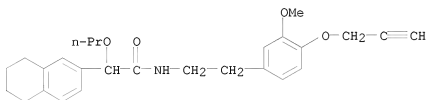
CN 2-Naphthaleneacetamide, N-[2-[4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro- $\alpha$ -(1-methylethoxy)- (CA INDEX NAME)





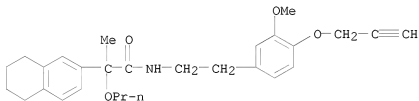
RN 1055264-42-0 CAPLUS

CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-α-propoxy- (CA INDEX NAME)



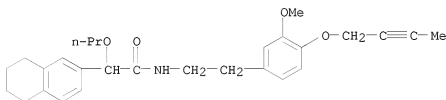
RN 1055264-43-1 CAPLUS

CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-α-methyl-α-propoxy- (CA INDEX NAME)



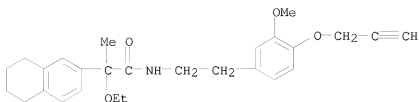
RN 1055264-45-3 CAPLUS

CN 2-Naphthaleneacetamide, N-[2-[4-(2-butyn-1-yloxy)-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro-α-propoxy- (CA INDEX NAME)

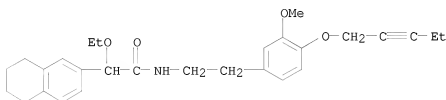


RN 1055267-02-1 CAPLUS

CN 2-Naphthaleneacetamide, α-ethoxy-5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-α-methyl- (CA INDEX NAME)

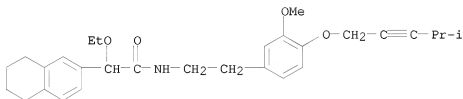


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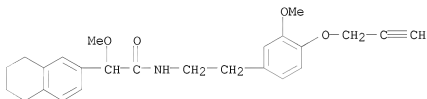
CN 2-Naphthaleneacetamide,  $\alpha$ -ethoxy-5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-pentyn-1-yloxy)phenyl]ethyl]- (CA INDEX NAME)

RN 1055267-06-5 CAPLUS

CN INDEX NAME NOT YET ASSIGNED

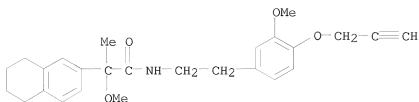


RN 1055270-60-4 CAPLUS

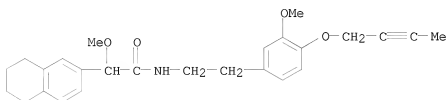
CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro- $\alpha$ -methoxy-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- (CA INDEX NAME)

RN 1055270-61-5 CAPLUS

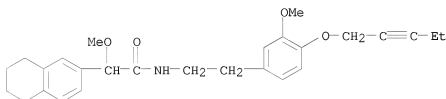
CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro- $\alpha$ -methoxy-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- $\alpha$ -methyl- (CA INDEX NAME)



RN 1055270-62-6 CAPLUS

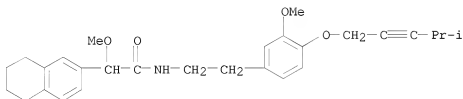
CN 2-Naphthaleneacetamide, N-[2-[4-(2-butyne-1-yloxy)-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro- $\alpha$ -methoxy- (CA INDEX NAME)

RN 1055270-63-7 CAPLUS

CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro- $\alpha$ -methoxy-N-[2-[3-methoxy-4-(2-pentyne-1-yloxy)phenyl]ethyl]- (CA INDEX NAME)

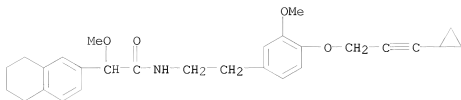
RN 1055270-64-8 CAPLUS

CN INDEX NAME NOT YET ASSIGNED



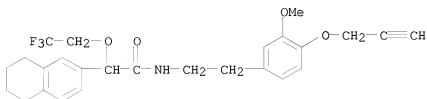
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CN 2-Naphthaleneacetamide, N-[2-[4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro- $\alpha$ -methoxy- (CA INDEX NAME)



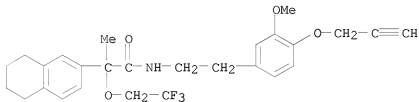
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CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-α-(2,2,2-trifluoroethoxy)- (CA INDEX NAME)



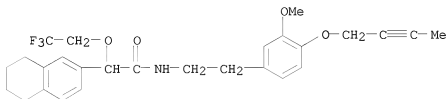
RN 1055271-93-6 CAPLUS

CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-α-methyl-α-(2,2,2-trifluoroethoxy)- (CA INDEX NAME)



RN 1055271-94-7 CAPLUS

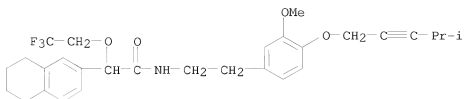
CN N-[2-[4-(2-butyn-1-yloxy)-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro-α-(2,2,2-trifluoroethoxy)- (CA INDEX NAME)



RN 1055271-95-8 CAPLUS

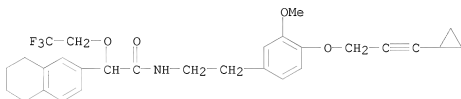
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10/513699



RN 1055271-98-1 CAPLUS

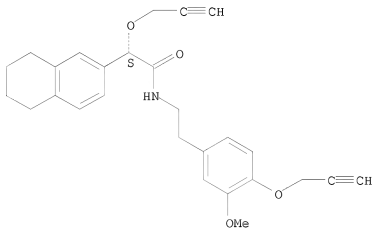
CN 2-Naphthaleneacetamide, N-[2-[4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro- $\alpha$ -(2,2,2-trifluoroethoxy)- (CA INDEX NAME)



RN 1055272-25-7 CAPLUS

CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- $\alpha$ -(2-propyn-1-yloxy)-, ( $\alpha$ S)- (CA INDEX NAME)

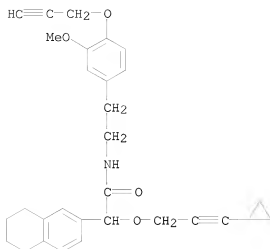
Absolute stereochemistry.



RN 1055273-51-2 CAPLUS

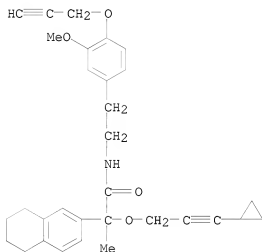
CN 2-Naphthaleneacetamide,  $\alpha$ -(3-cyclopropyl-2-propyn-1-yl)oxy]-5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- (CA INDEX NAME)

10/513699



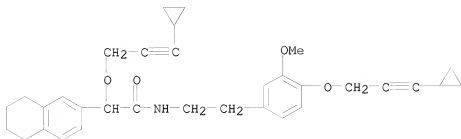
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CN 2-Naphthaleneacetamide,  $\alpha$ -[(3-cyclopropyl-2-propyn-1-yl)oxy]-5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- $\alpha$ -methyl- (CA INDEX NAME)

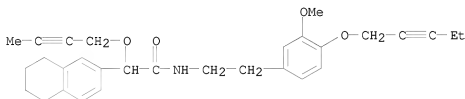


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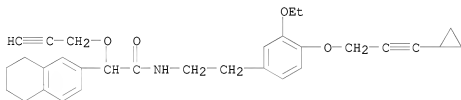
CN 2-Naphthaleneacetamide,  $\alpha$ -[(3-cyclopropyl-2-propyn-1-yl)oxy]-N-[2-[4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro- (CA INDEX NAME)



RN 1055274-16-2 CAPLUS

CN 2-Naphthaleneacetamide,  $\alpha$ -(2-butyn-1-yloxy)-5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-pentyn-1-yloxy)phenyl]ethyl]- (CA INDEX NAME)

RN 1055275-96-1 CAPLUS

CN 2-Naphthaleneacetamide, N-[2-[4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-ethoxyphenyl]ethyl]-5,6,7,8-tetrahydro- $\alpha$ -(2-propyn-1-yloxy)- (CA INDEX NAME)

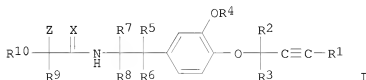
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L5 ANSWER 12 OF 47 CAPLUS COPYRIGHT 2009 ACS on STN  
 ACCESSION NUMBER: 2002:793595 CAPLUS  
 DOCUMENT NUMBER: 137:310703  
 TITLE: Preparation of novel N-propargyloxyphenethyl  
 thioacetamides as agrochemical fungicides  
 INVENTOR(S): Kunz, Walter; Lamberth, Clemens; Cederbaum, Fredrik;  
 Zeller, Martin  
 PATENT ASSIGNEE(S): Syngenta Participations A.-G., Switz.  
 SOURCE: PCT Int. Appl., 61 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW				
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US 7105545	B2	20060912		
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MX 2003009091	A	20040212	MX 2003-9091	20031003 <--
PRIORITY APPLN. INFO.:			GB 2001-8339	A 20010403
			WO 2002-EP3623	W 20020402

OTHER SOURCE(S): MARPAT 137:310703  
 GI



AB The title compds. [I; R1 = H, alkyl, cycloalkyl, (un)substituted aryl; R2,



R3 = H, alkyl; R4 = alkyl, alkenyl, alkynyl; R5-R8 = H, alkyl; R9 = H, alkyl, alkenyl, alkynyl; R10 = (un)substituted aryl, heteroaryl; Z = OH, (un)substituted aryloxy, (un)substituted alkoxy, etc.; X = S] which possesses useful plant protecting properties and may advantageously be employed in agricultural practice for controlling or preventing the infestation of plants by phytopathogenic microorganisms, especially fungi, were prepared. Thus, reacting I [R1-R3 = H; R4 = Me; R5-R9 = H; R10 = 4-ClC6H4; Z = OCH2C.tplbond.CH; X = O] (preparation given starting from 4-(2-aminoethyl)-2-methoxyphenol.HCl) with Lawesson's reagent afforded I [R1-R3 = H; R4 = Me; R5-R9 = H; R10 = 4-ClC6H4; Z = OCH2C.tplbond.CH; X = S] which inhibited fungal infestations by 80-100% at 200 ppm in tests against *Plasmopara viticola* on vines, *Phytophthora* on tomato plants, and *Phytophthora* on potato plants.

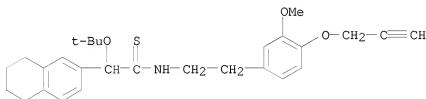
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RL: PRPH (Prophetic)

(Preparation of novel N-propargyloxyphenethyl thioacetamides as agrochemical fungicides)

RN 1106115-37-0 CAPLUS

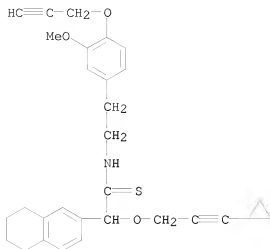
CN 2-Naphthaleneethanethioamide,  $\alpha$ -(1,1-dimethylethoxy)-5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- (CA INDEX NAME)



RN 1106117-04-7 CAPLUS

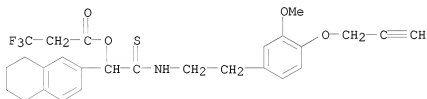
CN 2-Naphthaleneethanethioamide,  $\alpha$ -[(3-cyclopropyl-2-propyn-1-yl)oxy]-5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- (CA INDEX NAME)

10/513699



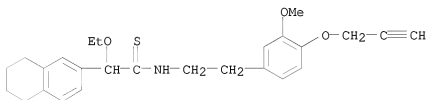
RN 1106118-72-2 CAPLUS

CN Propanoic acid, 3,3,3-trifluoro-, 2-[[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]amino]-1-(5,6,7,8-tetrahydro-2-naphthalenyl)-2-thioxoethyl ester (CA INDEX NAME)



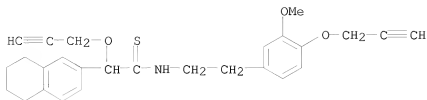
RN 1106119-83-8 CAPLUS

CN 2-Naphthaleneethanethioamide,  $\alpha$ -ethoxy-5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- (CA INDEX NAME)



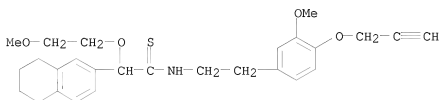
RN 1106121-49-6 CAPLUS

CN 2-Naphthaleneethanethioamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- $\alpha$ -(2-propyn-1-yloxy)- (CA INDEX NAME)



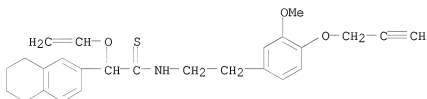
RN 1106123-14-1 CAPLUS

CN 2-Naphthaleneethanethioamide, 5,6,7,8-tetrahydro-α-(2-methoxyethoxy)-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- (CA INDEX NAME)



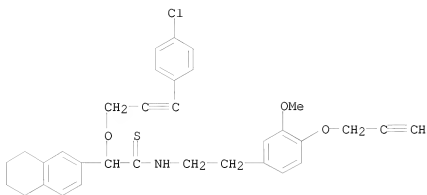
RN 1106125-88-5 CAPLUS

CN 2-Naphthaleneethanethioamide, α-(ethenyloxy)-5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- (CA INDEX NAME)

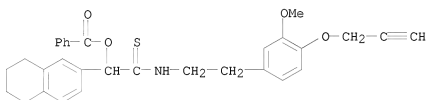


RN 1106127-45-0 CAPLUS

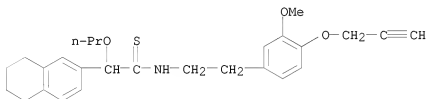
CN 2-Naphthaleneethanethioamide, α-[[3-(4-chlorophenyl)-2-propyn-1-yl]oxy]-5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- (CA INDEX NAME)



RN 1106129-12-7 CAPLUS

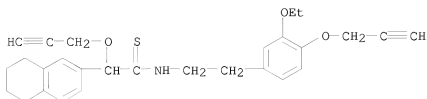
CN 2-Naphthaleneethanethioamide,  $\alpha$ -(benzoyloxy)-5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- (CA INDEX NAME)

RN 1106130-24-8 CAPLUS

CN 2-Naphthaleneethanethioamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- $\alpha$ -propoxy- (CA INDEX NAME)

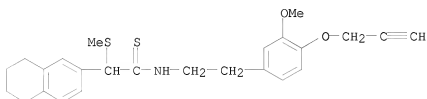
RN 1106131-88-7 CAPLUS

CN 2-Naphthaleneethanethioamide, N-[2-[3-ethoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-5,6,7,8-tetrahydro- $\alpha$ -(2-propyn-1-yloxy)- (CA INDEX NAME)



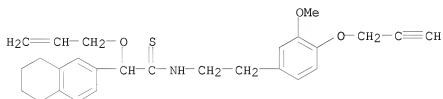
RN 1106133-55-4 CAPLUS

CN 2-Naphthaleneethanethioamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-α-(methylthio)- (CA INDEX NAME)



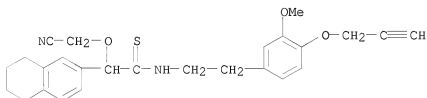
RN 1106140-59-3 CAPLUS

CN 2-Naphthaleneethanethioamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propen-1-yloxy)phenyl]ethyl]-α-(2-propen-1-yloxy)- (CA INDEX NAME)



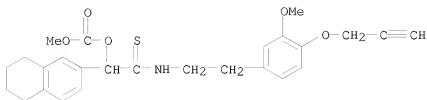
RN 1106142-26-0 CAPLUS

CN 2-Naphthaleneethanethioamide, α-(cyanomethoxy)-5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- (CA INDEX NAME)



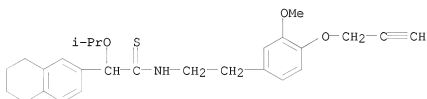
RN 1106143-93-4 CAPLUS

CN INDEX NAME NOT YET ASSIGNED



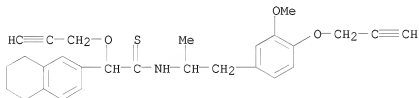
RN 1106145-05-4 CAPLUS

CN 2-Naphthaleneethanethioamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-α-(1-methylethoxy)- (CA INDEX NAME)



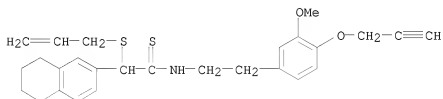
RN 1106146-72-8 CAPLUS

CN 2-Naphthaleneethanethioamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]-1-methylethyl]-α-(2-propyn-1-yloxy)- (CA INDEX NAME)



RN 1106148-39-3 CAPLUS

CN 2-Naphthaleneethanethioamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-α-(2-propen-1-ylthio)- (CA INDEX NAME)

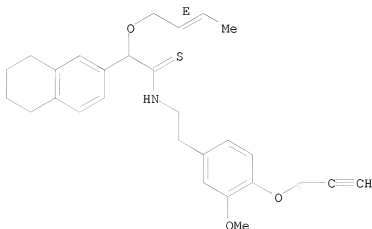


RN 1106151-18-1 CAPLUS

CN 2-Naphthaleneethanethioamide, α-[(2E)-2-buten-1-yloxy]-5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- (CA INDEX NAME)

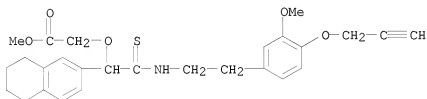
10/513699

Double bond geometry as shown.



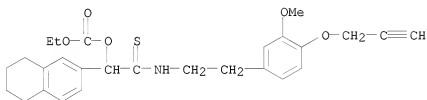
RN 1106152-85-5 CAPLUS

CN Acetic acid, 2-[2-[[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]amino]-1-(5,6,7,8-tetrahydro-2-naphthalenyl)-2-thioxoethoxy]-, methyl ester (CA INDEX NAME)



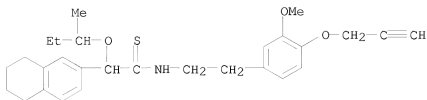
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CN INDEX NAME NOT YET ASSIGNED

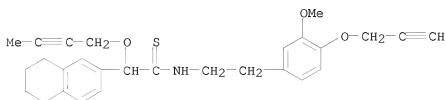


RN 1106155-64-9 CAPLUS

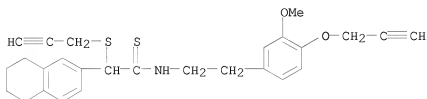
CN 2-Naphthaleneethanethioamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-α-(1-methylpropoxy)- (CA INDEX NAME)



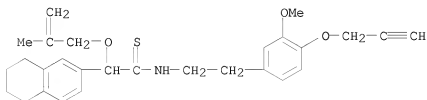
RN 1106157-31-6 CAPLUS

CN 2-Naphthaleneethanethioamide,  $\alpha$ -(2-butyn-1-yloxy)-5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- (CA INDEX NAME)

RN 1106158-98-8 CAPLUS

CN 2-Naphthaleneethanethioamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- $\alpha$ -(2-propyn-1-ylthio)- (CA INDEX NAME)

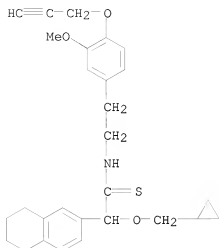
RN 1106166-02-2 CAPLUS

CN 2-Naphthaleneethanethioamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- $\alpha$ -[(2-methyl-2-propen-1-yl)oxy]- (CA INDEX NAME)

RN 1106167-69-4 CAPLUS

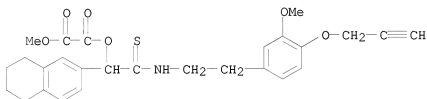
CN 2-Naphthaleneethanethioamide,  $\alpha$ -(cyclopropylmethoxy)-5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- (CA INDEX NAME)





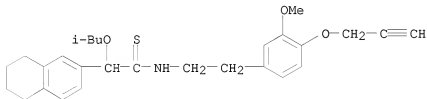
RN 1106169-36-1 CAPLUS

CN Ethanedioic acid, 1-[2-[[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]amino]-1-(5,6,7,8-tetrahydro-2-naphthalenyl)-2-thioxoethyl] 2-methyl ester (CA INDEX NAME)



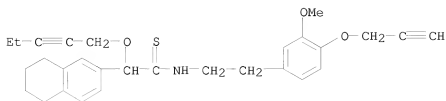
RN 1106170-48-2 CAPLUS

CN 2-Naphthaleneethanethioamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-α-(2-methylpropoxy)- (CA INDEX NAME)

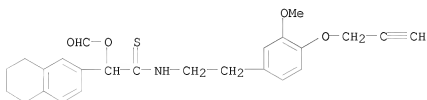


RN 1106172-14-8 CAPLUS

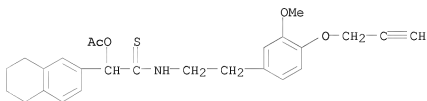
CN 2-Naphthaleneethanethioamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-α-(2-pentyn-1-yloxy)- (CA INDEX NAME)



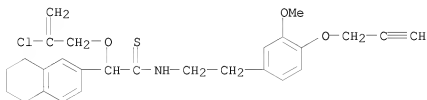
RN 1106173-78-7 CAPLUS

CN 2-Naphthaleneethanethioamide,  $\alpha$ -(formyloxy)-5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- (CA INDEX NAME)

RN 1106175-32-9 CAPLUS

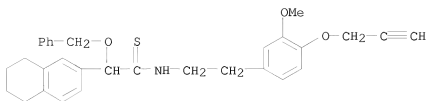
CN 2-Naphthaleneethanethioamide,  $\alpha$ -(acetyloxy)-5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- (CA INDEX NAME)

RN 1106176-99-1 CAPLUS

CN 2-Naphthaleneethanethioamide,  $\alpha$ -[(2-chloro-2-propen-1-yl)oxy]-5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- (CA INDEX NAME)

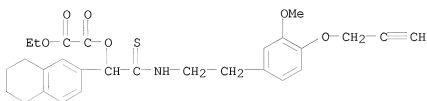
RN 1106178-63-5 CAPLUS

CN 2-Naphthaleneethanethioamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- $\alpha$ -(phenylmethoxy)- (CA INDEX NAME)

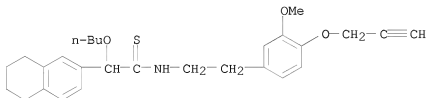


RN 1106180-29-3 CAPLUS

CN Ethanedioic acid, 1-ethyl 2-[2-([2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]amino)-1-(5,6,7,8-tetrahydro-2-naphthalenyl)-2-thioxoethyl] ester (CA INDEX NAME)

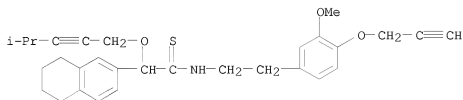


RN 1106182-20-0 CAPLUS

CN 2-Naphthaleneethanethioamide,  $\alpha$ -butoxy-5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- (CA INDEX NAME)

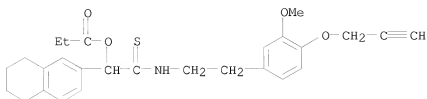
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CN INDEX NAME NOT YET ASSIGNED

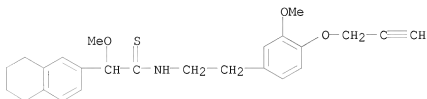


RN 1106185-54-9 CAPLUS

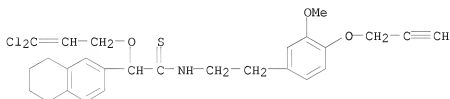
CN 2-Naphthaleneethanethioamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- $\alpha$ -(1-oxopropoxy)- (CA INDEX NAME)



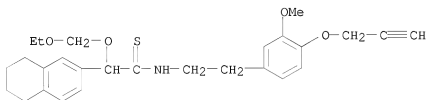
RN 1106192-49-7 CAPLUS

CN 2-Naphthaleneethanethioamide, 5,6,7,8-tetrahydro- $\alpha$ -methoxy-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- (CA INDEX NAME)

RN 1106194-10-8 CAPLUS

CN 2-Naphthaleneethanethioamide,  $\alpha$ -[(3,3-dichloro-2-propen-1-yl)oxy]-5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- (CA INDEX NAME)

RN 1106195-76-9 CAPLUS

CN 2-Naphthaleneethanethioamide,  $\alpha$ -(ethoxymethoxy)-5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- (CA INDEX NAME)

REFERENCE COUNT:

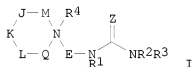
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THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 13 OF 47 CAPLUS COPYRIGHT 2009 ACS on STN  
 ACCESSION NUMBER: 2001:937747 CAPLUS  
 DOCUMENT NUMBER: 136:410929  
 TITLE: Preparation of ureidoalkylpiperidines as modulators of chemokine CCR3 receptor activity.  
 INVENTOR(S): Ko, Soo S.; Delucca, George V.; Duncia, John V.; Santella, Joseph B.; Wacker, Dean A.; Yao, Wenqing  
 PATENT ASSIGNEE(S): Dupont Pharmaceuticals Company, USA; Bristol-Myers Squibb Pharmaceutical Co.  
 SOURCE: PCT Int. Appl., 446 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001098269 A2		20011227/2001	XI19745	20010620
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW				
RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, CY, DE, DK, ES, FI, FR, GA, GB, GR, IE, IT, LU, MC, ML, MR, NE, NL, PT, SE, SN, TD, TG, TR				
PRIORITY APPLN. INFO.:			US 2000-213051P	20000621
			US 2000-598821	20000621

GI



AB [Title compds. I; M = CHR5, CHR13, CR13R13, CR5R13; Q = CH2, CHR5, CHR13, CR13R13, CR5R13; J, L = CH2, CHR5, CHR6, CR6R6, CR5R6; Z = O, S; M = CH2, CHR5, CHR13, CR13R13, CR5R13; K = CHR5, CR5R6; Z = O, S; E = (CHR7)(CHR9)v(CR11R12); R1, R2 = H, alkyl, alkenyl, alkynyl, (substituted) alkylcycloalkyl; R2R3 = atoms to form a (substituted) 5-7 membered ring; R3, R5 = (substituted) (alkyl)cycloalkyl, (alkyl)heterocyclyl; R4 = null, O, alkyl, alkenyl, alkynyl, etc.; R4 with R7, R9, or R11 = atoms to form a 5-7 membered ring; R7, R9 = H; R4R7, R4R9 = (substituted) spirocyclyl; R13 = alkyl, alkenyl, alkynyl, cycloalkyl, etc.; R11R12 = pyrrolidinyl, tetrahydrofuryl, piperidinyl, tetrahydropyranyl; v = 1, 2], were prepared as modulators of chemokine activity (no data). Thus, 4-benzyl-1-(3-aminopropyl)piperidine (preparation given) in THF was treated with 3-cyanophenyl isocyanate to give N-(3-cyanophenyl)-N'-[3-[4-(phenylmethyl)-1-piperidinyl]propyl]urea. [This abstract record is one of 15 records for this document necessitated by the large number of index entries required to fully index the document and publication system constraints.]

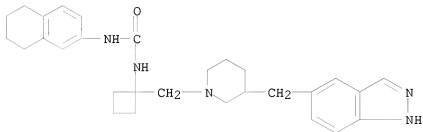
IT 1084141-39-8  
 RL: PRPH (Prophetic)

10/513699

(Preparation of ureidoalkylpiperidines as modulators of chemokine CCR3  
receptor activity.)

RN 1084141-39-8 CAPLUS

CN Urea, N-[1-[[3-(1H-indazol-5-ylmethyl)-1-piperidinylmethyl]cyclobutyl]-N'-  
(5,6,7,8-tetrahydro-2-naphthalenyl)- (CA INDEX NAME)



REFERENCE COUNT:

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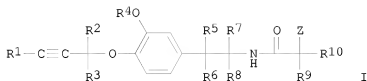
THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 14 OF 47 CAPLUS COPYRIGHT 2009 ACS on STN  
 ACCESSION NUMBER: 2001:851100 CAPLUS  
 DOCUMENT NUMBER: 135:371520  
 TITLE: Preparation of novel phenyl propargyl ethers as agrochemical fungicides  
 INVENTOR(S): Lamberth, Clemens; Zeller, Martin; Kunz, Walter; Cederbaum, Fredrik  
 PATENT ASSIGNEE(S): Syngenta Participations A.-G., Switz.  
 SOURCE: PCT Int. Appl., 84 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001087822	A1	200111122	WO 2001-EP5530	20010515 <--
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
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CA 2406088	C	20090630		
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AU 2001260301	B2	20041104		
BR 2001010810	A	20030211	BR 2001-10810	20010515 <--
EP 1282595	A1	20030212	EP 2001-933967	20010515 <--
EP 1282595	B1	20040714		
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HU 2003001965	A2	20030929	HU 2003-1965	20010515 <--
HU 2003001965	A3	20090128		
JP 2003533502	T	20031111	JP 2001-584219	20010515 <--
AT 271031	T	20040715	AT 2001-933967	20010515 <--
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RU 2259353	C2	20050827	RU 2002-133216	20010515
CN 1221526	C	20051005	CN 2001-809580	20010515
AP 1601	A	20060430	AP 2002-2649	20010515
EG 22695	A	20030630	EG 2001-511	20010516 <--
IN 2002CN01841	A	20050211	IN 2002-CN1841	20021111
MX 2002011198	A	20030310	MX 2002-11198	20021113 <--
ZA 2002009266	A	20031020	ZA 2002-9266	20021114 <--
US 6683211	B1	20040127	US 2002-276476	20021115 <--
HR 2002000908	B1	20060731	HR 2002-908	20021115
HK 1054368	A1	20050603	HK 2003-104881	20030708
PRIORITY APPLN. INFO.:				
				A
				W
				W

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT  
 OTHER SOURCE(S): MARPAT 135:371520

GI



AB The title compds. [I; R1 = H, alkyl, cycloalkyl, (un)substituted aryl; R2, R3 = H, alkyl; R4 = alkyl, alkenyl, alkynyl; R5- R8 = H, alkyl; R9 = H, (un)substituted alkyl, alkenyl or alkynyl; R10 = (un)substituted (hetero)aryl; Z = halo, (un)substituted aryloxy, alkoxy, etc.] which possess useful plant protecting properties and may advantageously be employed in agricultural practice for controlling or preventing the infestation of plants by phytopathogenic microorganisms, especially fungi (biol.

data given), were prepared. E.g., a multi-step synthesis of I [R1-R3 = H; R4 = Me; R5-R8 = H; R9 = H; R10 = 4-ClC6H4; Z = OMe] was given.

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	1055183-41-9	1055185-17-5	1055185-18-6
	1055185-19-7	1055186-14-5	1055186-58-7
	1055186-59-8	1055189-32-6	1055189-33-7
	1055189-34-8	1055189-35-9	1055199-07-9
	1055199-08-0	1055199-09-1	1055203-51-4
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	1055208-05-3	1055208-06-4	1055208-07-5
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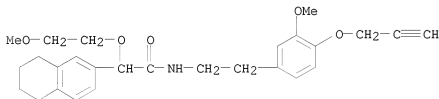
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RL: PRPH (Prophetic)

(Preparation of novel phenyl propargyl ethers as agrochemical fungicides)

RN 1055179-98-0 CAPLUS

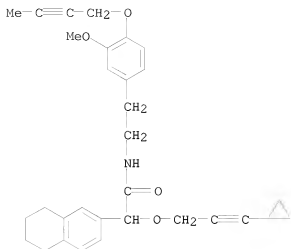
CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro- $\alpha$ -(2-methoxyethoxy)-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- (CA INDEX NAME)



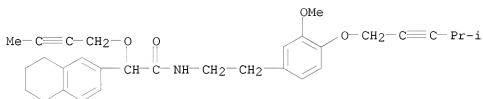
RN 1055181-48-0 CAPLUS

CN 2-Naphthaleneacetamide, N-[2-[4-(2-butyn-1-yloxy)-3-methoxyphenyl]ethyl]- $\alpha$ -[(3-cyclopropyl-2-propyn-1-yl)oxy]-5,6,7,8-tetrahydro- (CA INDEX NAME)

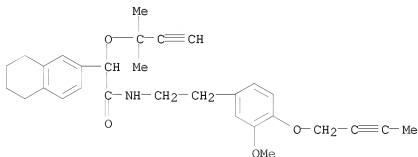
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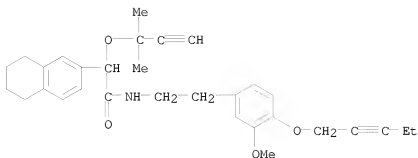
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CN INDEX NAME NOT YET ASSIGNED



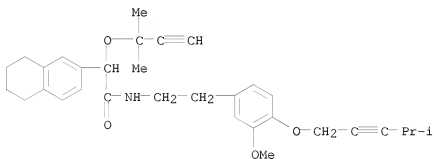
RN 1055182-57-4 CAPLUS  
CN 2-Naphthaleneacetamide, N-[2-[4-(2-butyn-1-yloxy)-3-methoxyphenyl]ethyl]-  
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NAME)



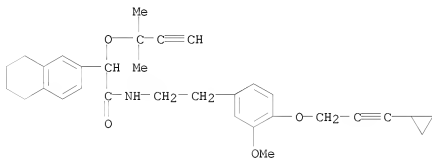
RN 1055182-58-5 CAPLUS  
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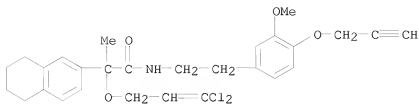
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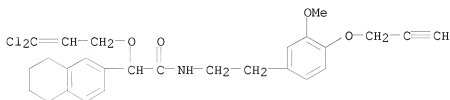
RN 1055182-60-9 CAPLUS  
CN 2-Naphthaleneacetamide, N-[2-[4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]ethyl]-α-[1,1-dimethyl-2-propyn-1-yl]oxy]-5,6,7,8-tetrahydro- (CA INDEX NAME)



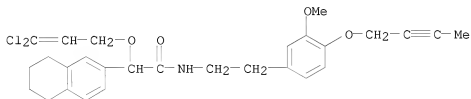
RN 1055183-36-2 CAPLUS  
CN 2-Naphthaleneacetamide, α-[(3,3-dichloro-2-propen-1-yl)oxy]-5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-α-methyl- (CA INDEX NAME)



RN 1055183-37-3 CAPLUS

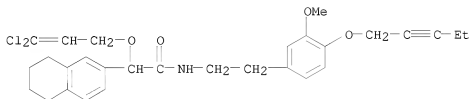
CN 2-Naphthaleneacetamide,  $\alpha$ -[(3,3-dichloro-2-propen-1-yl)oxy]-5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- (CA INDEX NAME)

RN 1055183-38-4 CAPLUS

CN 2-Naphthaleneacetamide, N-[2-[4-(2-butyn-1-yloxy)-3-methoxyphenyl]ethyl]- $\alpha$ -[(3,3-dichloro-2-propen-1-yl)oxy]-5,6,7,8-tetrahydro- (CA INDEX NAME)

RN 1055183-39-5 CAPLUS

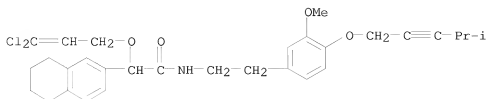
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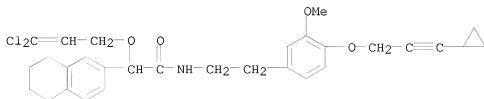
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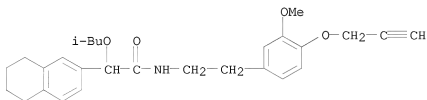
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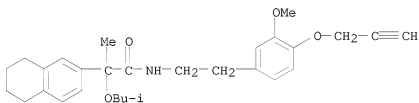
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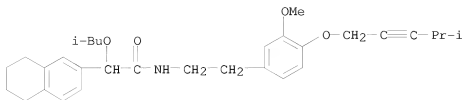
RN 1055185-17-5 CAPLUS  
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RN 1055185-18-6 CAPLUS  
CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-{3-methoxy-4-(2-propyn-1-yloxy)phenyl}ethyl]-α-methyl-α-(2-methylpropoxy)- (CA INDEX NAME)

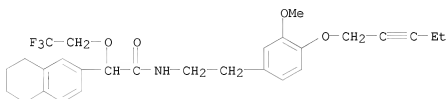


RN 1055185-19-7 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED



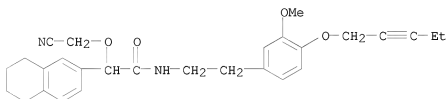
RN 1055186-14-5 CAPLUS

CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-(3-methoxy-4-(2-pentyn-1-yloxy)phenyl)ethyl]-α-(2,2,2-trifluoroethoxy)- (CA INDEX NAME)



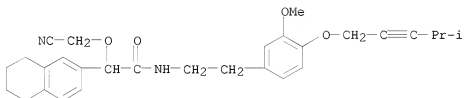
RN 1055186-58-7 CAPLUS

CN 2-Naphthaleneacetamide, α-(cyanomethoxy)-5,6,7,8-tetrahydro-N-[2-(3-methoxy-4-(2-pentyn-1-yloxy)phenyl)ethyl]- (CA INDEX NAME)



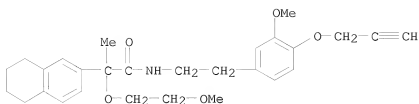
RN 1055186-59-8 CAPLUS

CN INDEX NAME NOT YET ASSIGNED



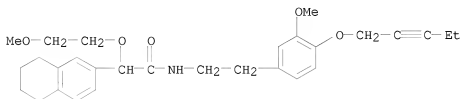
RN 1055189-32-6 CAPLUS

CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-α-(2-methoxyethoxy)-N-[2-(3-methoxy-4-(2-propyn-1-yloxy)phenyl)ethyl]-α-methyl- (CA INDEX NAME)



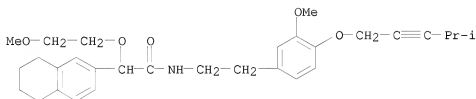
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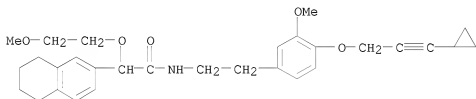
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CN INDEX NAME NOT YET ASSIGNED



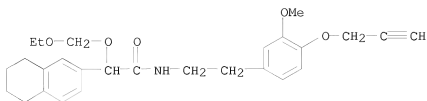
RN 1055189-35-9 CAPLUS

CN 2-Naphthaleneacetamide, N-[2-[4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro-α-(2-methoxyethoxy)- (CA INDEX NAME)

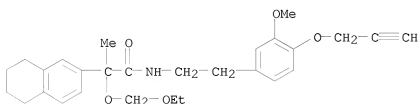


RN 1055199-07-9 CAPLUS

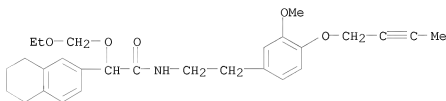
CN 2-Naphthaleneacetamide, α-(ethoxymethoxy)-5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- (CA INDEX NAME)



RN 1055199-08-0 CAPLUS

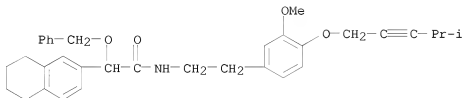
CN 2-Naphthaleneacetamide,  $\alpha$ -(ethoxymethoxy)-5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- $\alpha$ -methyl- (CA INDEX NAME)

RN 1055199-09-1 CAPLUS

CN 2-Naphthaleneacetamide, N-[2-[4-(2-butyn-1-yloxy)-3-methoxyphenyl]ethyl]- $\alpha$ -(ethoxymethoxy)-5,6,7,8-tetrahydro- (CA INDEX NAME)

RN 1055203-51-4 CAPLUS

CN INDEX NAME NOT YET ASSIGNED

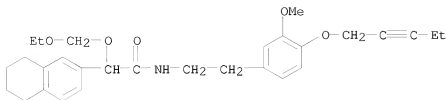


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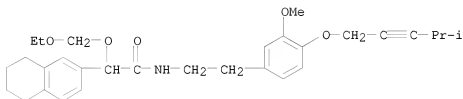
CN 2-Naphthaleneacetamide,  $\alpha$ -(ethoxymethoxy)-5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-pentyn-1-yloxy)phenyl]ethyl]- (CA INDEX NAME)



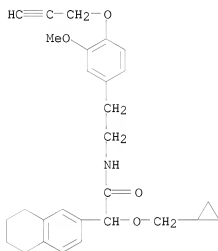
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RN 1055203-64-9 CAPLUS  
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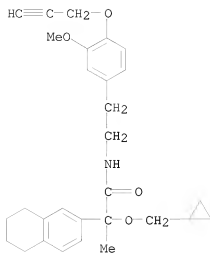


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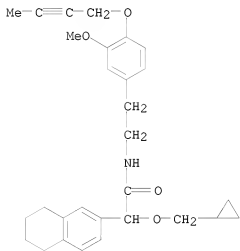
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CN 2-Naphthaleneacetamide,  $\alpha$ -(cyclopropylmethoxy)-5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- $\alpha$ -methyl- (CA INDEX NAME)

10/513699



RN 1055206-26-2 CAPLUS

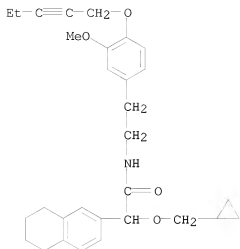
CN 2-Naphthaleneacetamide, N-[2-[4-(2-butyne-1-yloxy)-3-methoxyphenyl]ethyl]-  
α-(cyclopropylmethoxy)-5,6,7,8-tetrahydro- (CA INDEX NAME)



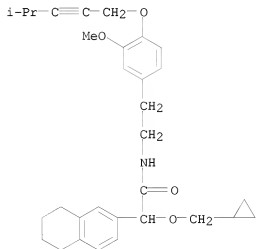
RN 1055206-27-3 CAPLUS

CN 2-Naphthaleneacetamide, α-(cyclopropylmethoxy)-5,6,7,8-tetrahydro-N-  
[2-[3-methoxy-4-(2-pentyne-1-yloxy)phenyl]ethyl]- (CA INDEX NAME)

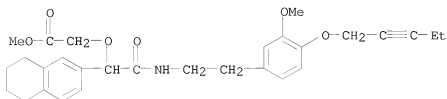
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RN 1055206-28-4 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED



RN 1055207-50-5 CAPLUS  
CN Acetic acid, 2-[2-[[2-[3-methoxy-4-(2-pentyn-1-yloxy)phenyl]ethyl]amino]-2-oxo-1-(5,6,7,8-tetrahydro-2-naphthalenyl)ethoxy]-, methyl ester (CA INDEX NAME)



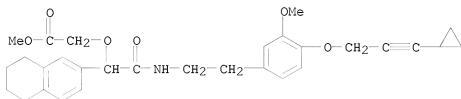
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Erich Leese

10/513699

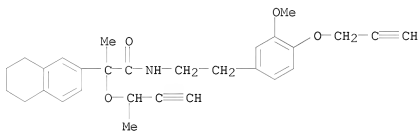
RN 1055207-51-6 CAPLUS

CN Acetic acid, 2-[2-[[2-[4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]ethyl]amino]-2-oxo-1-(5,6,7,8-tetrahydro-2-naphthalenyl)ethoxy]-, methyl ester (CA INDEX NAME)



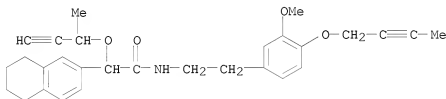
RN 1055208-05-3 CAPLUS

CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- $\alpha$ -methyl- $\alpha$ -(1-methyl-2-propyn-1-yl)oxy)-(CA INDEX NAME)



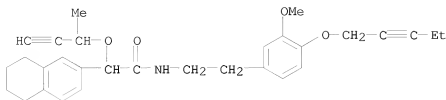
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CN 2-Naphthaleneacetamide, N-[2-[4-(2-butyn-1-yloxy)-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro- $\alpha$ -(1-methyl-2-propyn-1-yl)oxy)-(CA INDEX NAME)

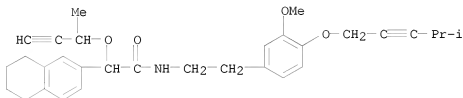


RN 1055208-07-5 CAPLUS

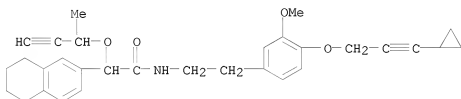
CN INDEX NAME NOT YET ASSIGNED



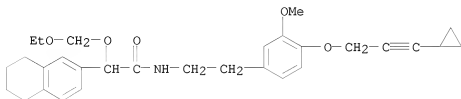
RN 1055208-08-6 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED



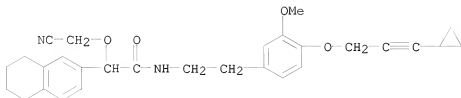
RN 1055208-09-7 CAPLUS  
CN 2-Naphthaleneacetamide, N-[2-[4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro-α-(1-methyl-2-propyn-1-yl)oxy]- (CA INDEX NAME)



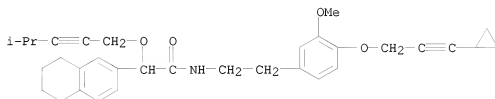
RN 1055208-72-4 CAPLUS  
CN 2-Naphthaleneacetamide, N-[2-[4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]ethyl]-α-(ethoxymethoxy)-5,6,7,8-tetrahydro- (CA INDEX NAME)



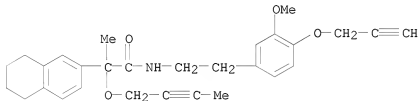
RN 1055209-45-4 CAPLUS  
CN 2-Naphthaleneacetamide, α-(cyanomethoxy)-N-[2-[4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro- (CA INDEX NAME)



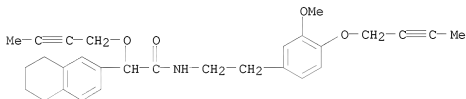
RN 1055210-27-9 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED



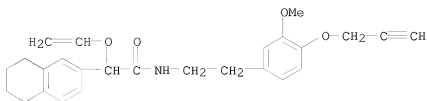
RN 1055214-37-3 CAPLUS  
CN 2-Naphthaleneacetamide,  $\alpha$ -(2-butyne-1-yloxy)-5,6,7,8-tetrahydro-N-[2-  
[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- $\alpha$ -methyl- (CA INDEX  
NAME)



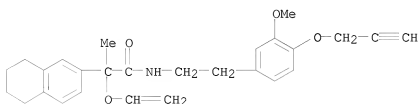
RN 1055214-38-4 CAPLUS  
CN 2-Naphthaleneacetamide,  $\alpha$ -(2-butyne-1-yloxy)-N-[2-[4-(2-butyne-1-  
yloxy)-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro- (CA INDEX NAME)



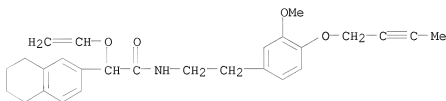
RN 1055215-71-8 CAPLUS  
CN 2-Naphthaleneacetamide,  $\alpha$ -(ethenyloxy)-5,6,7,8-tetrahydro-N-[2-[3-  
methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- (CA INDEX NAME)



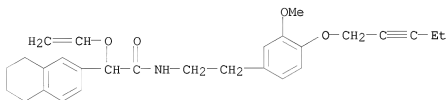
RN 1055215-72-9 CAPLUS

CN 2-Naphthaleneacetamide,  $\alpha$ -(ethenyloxy)-5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- $\alpha$ -methyl- (CA INDEX NAME)

RN 1055215-73-0 CAPLUS

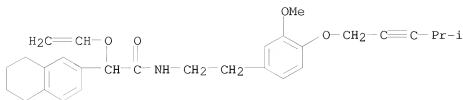
CN 2-Naphthaleneacetamide, N-[2-[4-(2-butyn-1-yloxy)-3-methoxyphenyl]ethyl]- $\alpha$ -(ethenyloxy)-5,6,7,8-tetrahydro- (CA INDEX NAME)

RN 1055215-74-1 CAPLUS

CN 2-Naphthaleneacetamide,  $\alpha$ -(ethenyloxy)-5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-pentyn-1-yloxy)phenyl]ethyl]- (CA INDEX NAME)

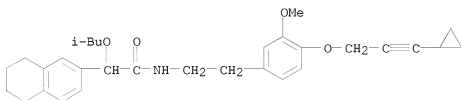
RN 1055215-75-2 CAPLUS

CN INDEX NAME NOT YET ASSIGNED



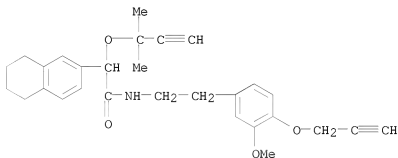
RN 1055216-06-2 CAPLUS

CN 2-Naphthaleneacetamide, N-[2-[4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro-α-(2-methylpropoxy)- (CA INDEX NAME)



RN 1055216-39-1 CAPLUS

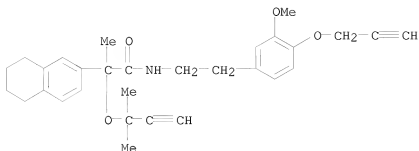
CN 2-Naphthaleneacetamide, α-[(1,1-dimethyl-2-propyn-1-yl)oxy]-5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- (CA INDEX NAME)



RN 1055216-40-4 CAPLUS

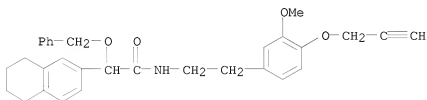
CN 2-Naphthaleneacetamide, α-[(1,1-dimethyl-2-propyn-1-yl)oxy]-5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-α-methyl- (CA INDEX NAME)





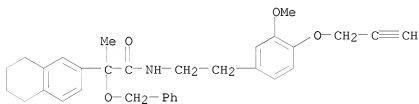
RN 1055216-75-5 CAPLUS

CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-α-(phenylmethoxy)- (CA INDEX NAME)



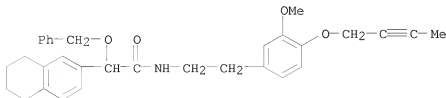
RN 1055216-76-6 CAPLUS

CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-α-methyl-α-(phenylmethoxy)- (CA INDEX NAME)



RN 1055216-77-7 CAPLUS

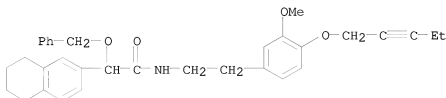
CN 2-Naphthaleneacetamide, N-[2-[4-(2-butyn-1-yloxy)-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro-α-(phenylmethoxy)- (CA INDEX NAME)



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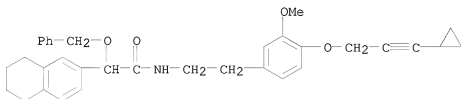
RN 1055216-78-8 CAPLUS

CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-pentyn-1-yloxy)phenyl]ethyl]- $\alpha$ -(phenylmethoxy)- (CA INDEX NAME)



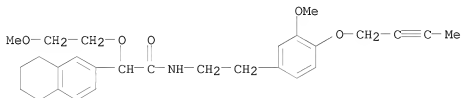
RN 1055216-79-9 CAPLUS

CN 2-Naphthaleneacetamide, N-[2-[4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro- $\alpha$ -(phenylmethoxy)- (CA INDEX NAME)



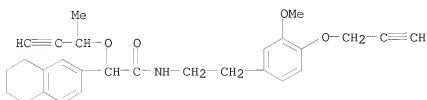
RN 1055216-94-8 CAPLUS

CN 2-Naphthaleneacetamide, N-[2-[4-(2-butyn-1-yloxy)-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro- $\alpha$ -(2-methoxyethoxy)- (CA INDEX NAME)

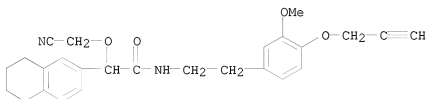


RN 1055217-05-4 CAPLUS

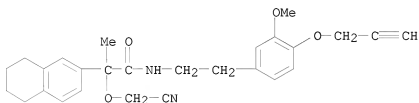
CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- $\alpha$ -[(1-methyl-2-propyn-1-yl)oxy]- (CA INDEX NAME)



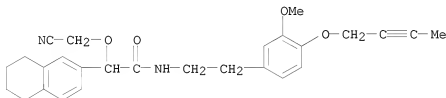
RN 1055217-88-3 CAPLUS

CN 2-Naphthaleneacetamide,  $\alpha$ -(cyanomethoxy)-5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- (CA INDEX NAME)

RN 1055217-89-4 CAPLUS

CN 2-Naphthaleneacetamide,  $\alpha$ -(cyanomethoxy)-5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- $\alpha$ -methyl- (CA INDEX NAME)

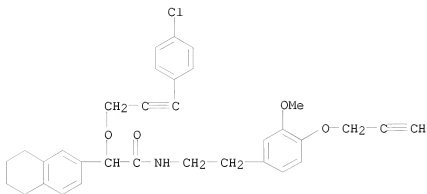
RN 1055217-90-7 CAPLUS

CN 2-Naphthaleneacetamide, N-[2-[4-(2-butyn-1-yloxy)-3-methoxyphenyl]ethyl]- $\alpha$ -(cyanomethoxy)-5,6,7,8-tetrahydro- (CA INDEX NAME)

RN 1055218-09-1 CAPLUS

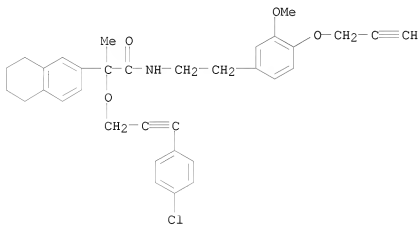
CN 2-Naphthaleneacetamide,  $\alpha$ -[[3-(4-chlorophenyl)-2-propyn-1-yloxy]-5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- (CA INDEX NAME)

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RN 1055218-10-4 CAPLUS

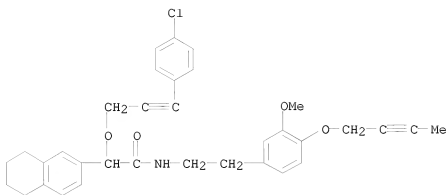
CN 2-Naphthaleneacetamide,  $\alpha$ -[[3-(4-chlorophenyl)-2-propyn-1-yloxy]-5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- $\alpha$ -methyl- (CA INDEX NAME)



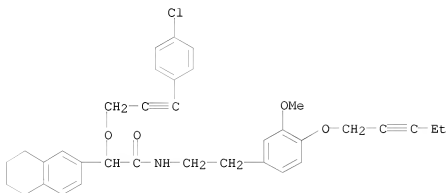
RN 1055218-11-5 CAPLUS

CN 2-Naphthaleneacetamide, N-[2-[4-(2-butyne-1-yloxy)-3-methoxyphenyl]ethyl]- $\alpha$ -[[3-(4-chlorophenyl)-2-propyn-1-yloxy]-5,6,7,8-tetrahydro- (CA INDEX NAME)

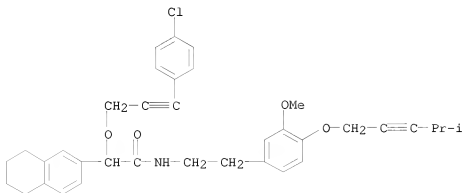
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RN 1055218-12-6 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

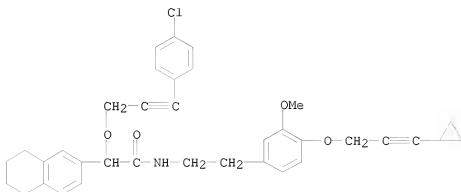


RN 1055218-13-7 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

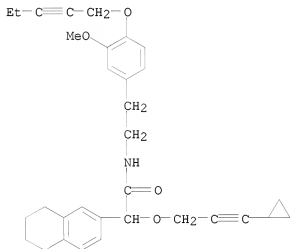


10/513699

RN 1055218-14-8 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

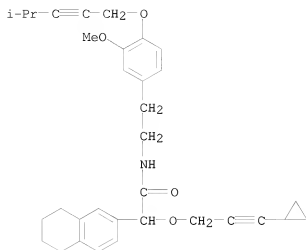


RN 1055219-85-6 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

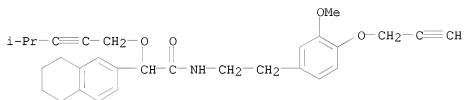


RN 1055219-86-7 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

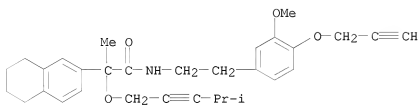
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RN 1055220-19-3 CAPLUS  
 CN INDEX NAME NOT YET ASSIGNED

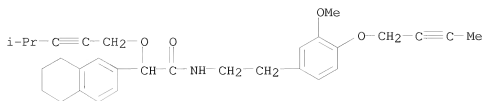


RN 1055220-20-6 CAPLUS  
 CN INDEX NAME NOT YET ASSIGNED

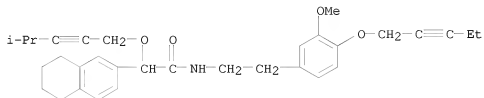


RN 1055220-21-7 CAPLUS  
 CN INDEX NAME NOT YET ASSIGNED

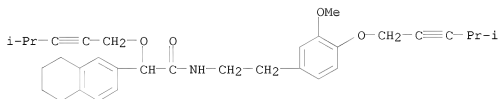
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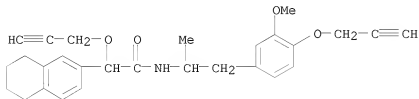
RN 1055220-22-8 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED



RN 1055220-23-9 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

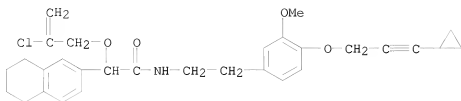


RN 1055221-97-0 CAPLUS  
CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-(3-methoxy-4-(2-propyn-1-yloxy)phenyl)-1-methylethyl]-α-(2-propyn-1-yloxy)- (CA INDEX NAME)

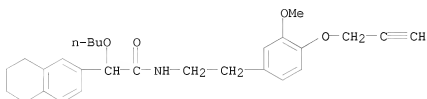


RN 1055222-32-6 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

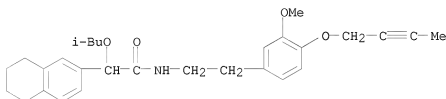




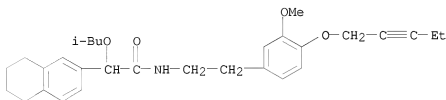
RN 1055223-53-4 CAPLUS

CN 2-Naphthaleneacetamide,  $\alpha$ -butoxy-5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- (CA INDEX NAME)

RN 1055224-57-1 CAPLUS

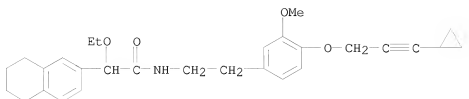
CN 2-Naphthaleneacetamide, N-[2-[4-(2-buty-1-yloxy)-3-methoxyphenyl]ethyl]-, 5,6,7,8-tetrahydro- $\alpha$ -(2-methylpropoxy)- (CA INDEX NAME)

RN 1055224-58-2 CAPLUS

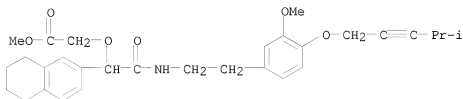
CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-pentyn-1-yloxy)phenyl]ethyl]- $\alpha$ -(2-methylpropoxy)- (CA INDEX NAME)

RN 1055225-51-8 CAPLUS

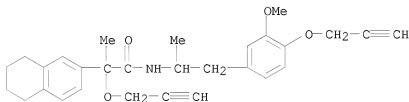
CN 2-Naphthaleneacetamide, N-[2-[4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]ethyl]- $\alpha$ -ethoxy-5,6,7,8-tetrahydro- (CA INDEX NAME)



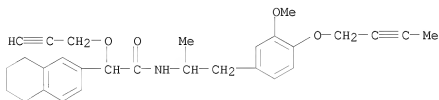
RN 1055226-57-7 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED



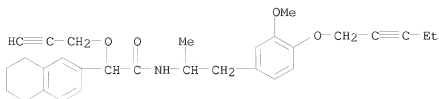
RN 1055228-55-1 CAPLUS  
CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]-1-methylethyl]-α-methyl-α-(2-propyn-1-yloxy)- (CA INDEX NAME)



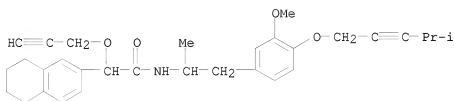
RN 1055228-56-2 CAPLUS  
CN 2-Naphthaleneacetamide, N-[2-[4-(2-butyn-1-yloxy)-3-methoxyphenyl]-1-methylethyl]-5,6,7,8-tetrahydro-α-(2-propyn-1-yloxy)- (CA INDEX NAME)



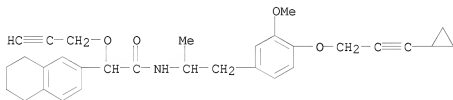
RN 1055228-57-3 CAPLUS  
CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-pentyn-1-yloxy)phenyl]-1-methylethyl]-α-(2-propyn-1-yloxy)- (CA INDEX NAME)



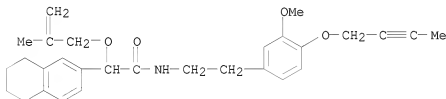
RN 1055228-58-4 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED



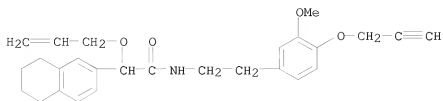
RN 1055228-59-5 CAPLUS  
CN 2-Naphthaleneacetamide, N-[2-[4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]-1-methylethyl]-5,6,7,8-tetrahydro-α-(2-propyn-1-yloxy)- (CA INDEX NAME)



RN 1055229-27-0 CAPLUS  
CN 2-Naphthaleneacetamide, N-[2-[4-(2-butyn-1-yloxy)-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro-α-[(2-methyl-2-propen-1-yl)oxy]- (CA INDEX NAME)

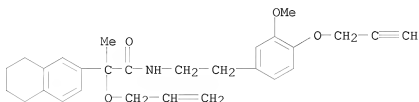


RN 1055230-40-4 CAPLUS  
CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-α-(2-propen-1-yloxy)- (CA INDEX NAME)



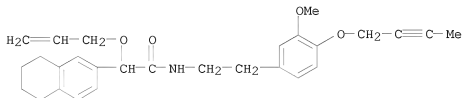
RN 1055230-41-5 CAPLUS

CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propen-1-yloxy)phenyl]ethyl]-α-methyl-α-(2-propen-1-yloxy)- (CA INDEX NAME)



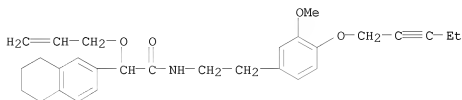
RN 1055230-42-6 CAPLUS

CN 2-Naphthaleneacetamide, N-[2-[4-(2-butyn-1-yloxy)-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro-α-(2-propen-1-yloxy)- (CA INDEX NAME)



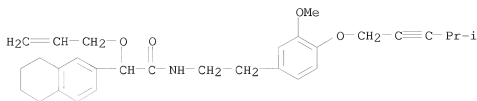
RN 1055230-43-7 CAPLUS

CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-pentyn-1-yloxy)phenyl]ethyl]-α-(2-propen-1-yloxy)- (CA INDEX NAME)



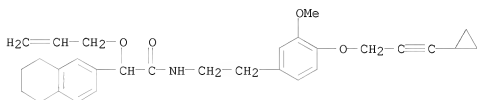
RN 1055230-44-8 CAPLUS

CN INDEX NAME NOT YET ASSIGNED



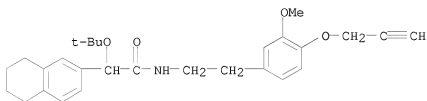
RN 1055230-47-1 CAPLUS

CN 2-Naphthaleneacetamide, N-[2-[4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro-α-(2-propen-1-yloxy)- (CA INDEX NAME)



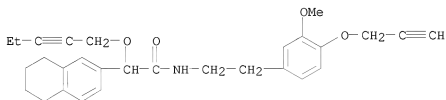
RN 1055230-72-2 CAPLUS

CN 2-Naphthaleneacetamide, α-(1,1-dimethylethoxy)-5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- (CA INDEX NAME)



RN 1055230-99-3 CAPLUS

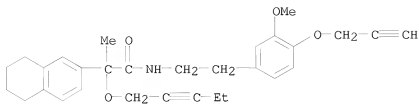
CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-α-(2-pentyn-1-yloxy)- (CA INDEX NAME)



RN 1055231-00-9 CAPLUS

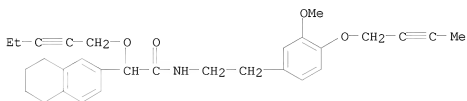
CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-α-methyl-α-(2-pentyn-1-yloxy)- (CA INDEX NAME)

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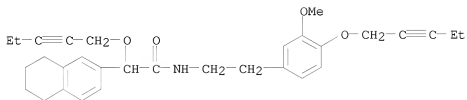
RN 1055231-01-0 CAPLUS

CN 2-Naphthaleneacetamide, N-[2-[4-(2-butyn-1-yloxy)-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro- $\alpha$ -(2-pentyn-1-yloxy)- (CA INDEX NAME)



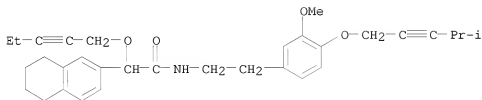
RN 1055231-02-1 CAPLUS

CN INDEX NAME NOT YET ASSIGNED



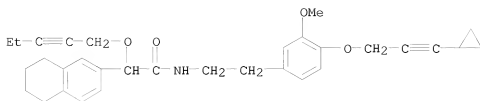
RN 1055231-03-2 CAPLUS

CN INDEX NAME NOT YET ASSIGNED

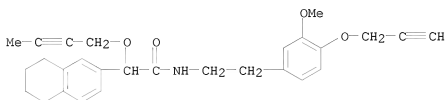


RN 1055231-04-3 CAPLUS

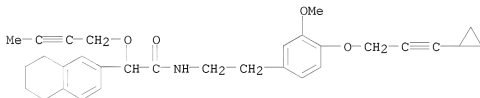
CN INDEX NAME NOT YET ASSIGNED



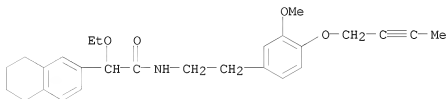
RN 1055232-70-6 CAPLUS

CN 2-Naphthaleneacetamide,  $\alpha$ -(2-butyn-1-yloxy)-5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- (CA INDEX NAME)

RN 1055232-71-7 CAPLUS

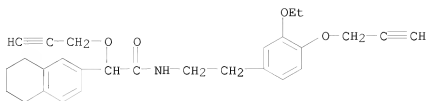
CN 2-Naphthaleneacetamide,  $\alpha$ -(2-butyn-1-yloxy)-N-[2-[4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro- (CA INDEX NAME)

RN 1055236-78-6 CAPLUS

CN 2-Naphthaleneacetamide, N-[2-[4-(2-butyn-1-yloxy)-3-methoxyphenyl]ethyl]- $\alpha$ -ethoxy-5,6,7,8-tetrahydro- (CA INDEX NAME)

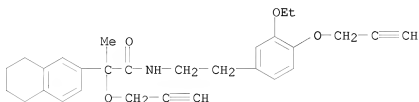
RN 1055238-63-5 CAPLUS

CN 2-Naphthaleneacetamide, N-[2-[3-ethoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-5,6,7,8-tetrahydro- $\alpha$ -(2-propyn-1-yloxy)- (CA INDEX NAME)



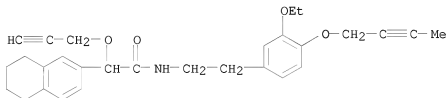
RN 1055238-64-6 CAPLUS

CN 2-Naphthaleneacetamide, N-[2-[3-ethoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-5,6,7,8-tetrahydro-α-methyl-α-(2-propyn-1-yloxy)- (CA INDEX NAME)



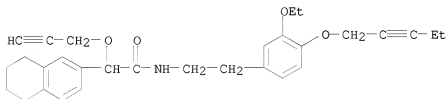
RN 1055238-65-7 CAPLUS

CN 2-Naphthaleneacetamide, N-[2-[4-(2-butyn-1-yloxy)-3-ethoxyphenyl]ethyl]-5,6,7,8-tetrahydro-α-(2-propyn-1-yloxy)- (CA INDEX NAME)



RN 1055238-66-8 CAPLUS

CN 2-Naphthaleneacetamide, N-[2-[3-ethoxy-4-(2-pentyn-1-yloxy)phenyl]ethyl]-5,6,7,8-tetrahydro-α-(2-propyn-1-yloxy)- (CA INDEX NAME)

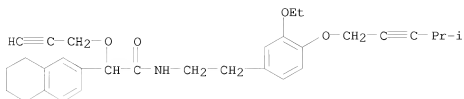


RN 1055238-67-9 CAPLUS

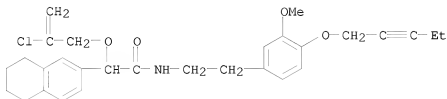
CN INDEX NAME NOT YET ASSIGNED



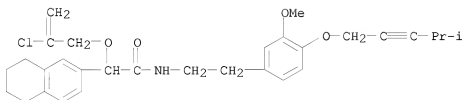
10/513699



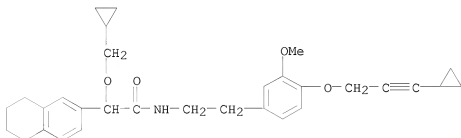
RN 1055240-59-9 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED



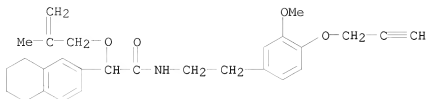
RN 1055240-60-2 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED



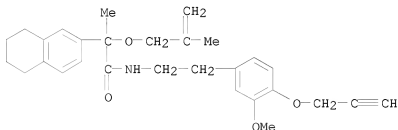
RN 1055242-23-3 CAPLUS  
CN 2-Naphthaleneacetamide,  $\alpha$ -(cyclopropylmethoxy)-N-[2-[4-[3-(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro-1-yl-1-yl ether (CA INDEX NAME)



RN 1055243-85-0 CAPLUS  
CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- $\alpha$ -(2-methyl-2-propen-1-yl)oxy- (CA INDEX NAME)

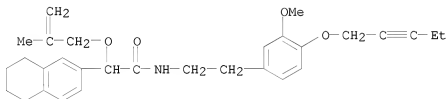


RN 1055243-86-1 CAPLUS

CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-α-methyl-α-[(2-methyl-2-propen-1-yl)oxy]-  
(CA INDEX NAME)

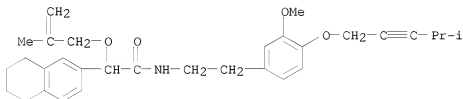
RN 1055243-87-2 CAPLUS

CN INDEX NAME NOT YET ASSIGNED



RN 1055243-88-3 CAPLUS

CN INDEX NAME NOT YET ASSIGNED

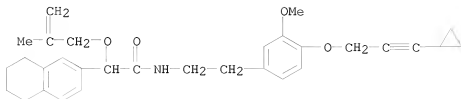


RN 1055243-89-4 CAPLUS

CN 2-Naphthaleneacetamide, N-[2-[4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro-α-[(2-methyl-2-propen-1-

10/513699

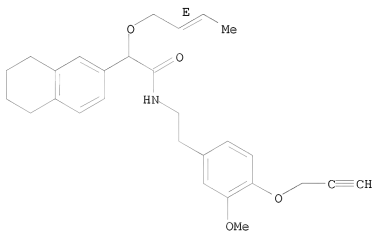
yl)oxy]- (CA INDEX NAME)



RN 1055244-11-5 CAPLUS

CN 2-Naphthaleneacetamide,  $\alpha$ -[(2E)-2-buten-1-yloxy]-5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- (CA INDEX NAME)

Double bond geometry as shown.

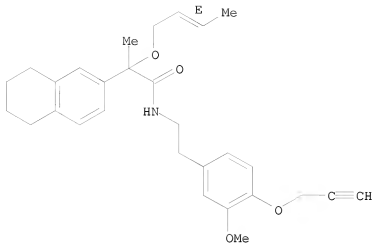


RN 1055244-12-6 CAPLUS

CN 2-Naphthaleneacetamide,  $\alpha$ -[(2E)-2-buten-1-yloxy]-5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- $\alpha$ -methyl- (CA INDEX NAME)

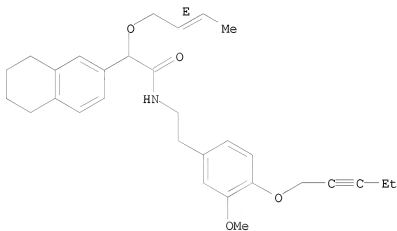
Double bond geometry as shown.

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RN 1055244-13-7 CAPLUS  
CN 2-Naphthaleneacetamide,  $\alpha$ -[(2E)-2-buten-1-yloxy]-5,6,7,8-tetrahydro-  
N-[2-[3-methoxy-4-(2-pentyn-1-yloxy)phenyl]ethyl]- (CA INDEX NAME)

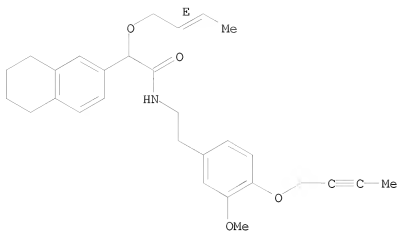
Double bond geometry as shown.



RN 1055244-14-8 CAPLUS  
CN 2-Naphthaleneacetamide,  $\alpha$ -[(2E)-2-buten-1-yloxy]-N-[2-[4-(2-butyne-1-  
yloxy)-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro- (CA INDEX NAME)

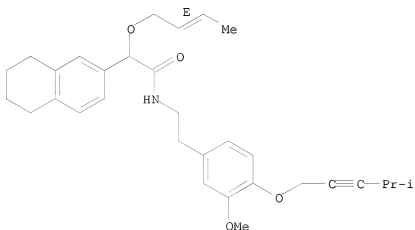
Double bond geometry as shown.

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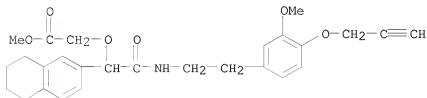


RN 1055244-15-9 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

Double bond geometry as shown.



RN 1055247-12-5 CAPLUS  
CN Acetic acid, 2-[2-[[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]amino]-2-oxo-1-(5,6,7,8-tetrahydro-2-naphthalenyl)ethoxy]-, methyl ester (CA INDEX NAME)



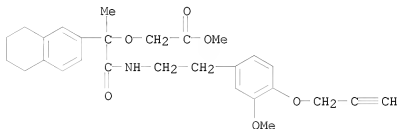
<12/04/2007>

Erich Leese

10/513699

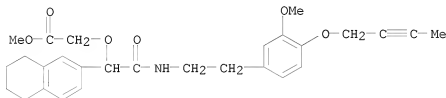
RN 1055247-15-8 CAPLUS

CN Acetic acid, 2-[2-[[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]amino]-1-methyl-2-oxo-1-(5,6,7,8-tetrahydro-2-naphthalenyl)ethoxy]-, methyl ester (CA INDEX NAME)



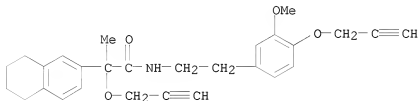
RN 1055247-16-9 CAPLUS

CN Acetic acid, 2-[2-[[2-[4-(2-butyn-1-yloxy)-3-methoxyphenyl]ethyl]amino]-2-oxo-1-(5,6,7,8-tetrahydro-2-naphthalenyl)ethoxy]-, methyl ester (CA INDEX NAME)



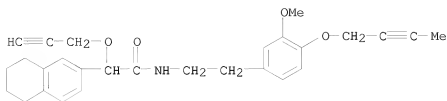
RN 1055249-28-9 CAPLUS

CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-α-methyl-α-(2-propyn-1-yloxy)- (CA INDEX NAME)



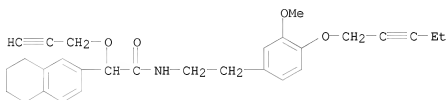
RN 1055249-29-0 CAPLUS

CN 2-Naphthaleneacetamide, N-[2-[4-(2-butyn-1-yloxy)-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro-α-(2-propyn-1-yloxy)- (CA INDEX NAME)



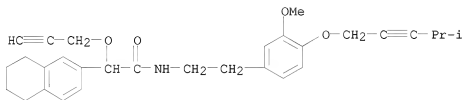
RN 1055249-30-3 CAPLUS

CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-pentyn-1-yloxy)phenyl]ethyl]-α-(2-propyn-1-yloxy)- (CA INDEX NAME)



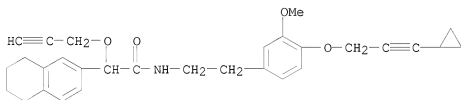
RN 1055249-33-6 CAPLUS

CN INDEX NAME NOT YET ASSIGNED



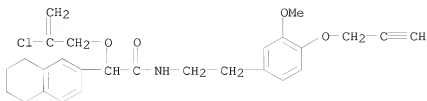
RN 1055249-34-7 CAPLUS

CN 2-Naphthaleneacetamide, N-[2-[4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro-α-(2-propyn-1-yloxy)- (CA INDEX NAME)

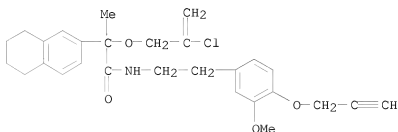


RN 1055250-39-9 CAPLUS

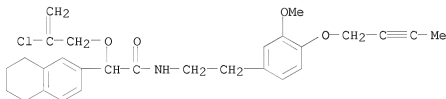
CN 2-Naphthaleneacetamide, α-[(2-chloro-2-propen-1-yl)oxy]-5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- (CA INDEX NAME)



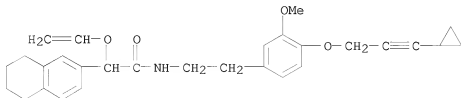
RN 1055250-41-3 CAPLUS

CN 2-Naphthaleneacetamide,  $\alpha$ -[(2-chloro-2-propen-1-yl)oxy]-5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- $\alpha$ -methyl- (CA INDEX NAME)

RN 1055250-45-7 CAPLUS

CN 2-Naphthaleneacetamide, N-[2-[4-(2-butyn-1-yloxy)-3-methoxyphenyl]ethyl]- $\alpha$ -[(2-chloro-2-propen-1-yl)oxy]-5,6,7,8-tetrahydro- (CA INDEX NAME)

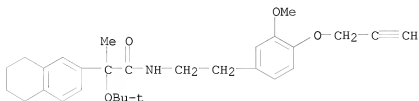
RN 1055253-12-7 CAPLUS

CN 2-Naphthaleneacetamide, N-[2-[4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]ethyl]- $\alpha$ -(ethenyloxy)-5,6,7,8-tetrahydro- (CA INDEX NAME)

RN 1055254-60-8 CAPLUS

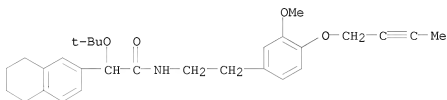


CN 2-Naphthaleneacetamide,  $\alpha$ -(1,1-dimethylethoxy)-5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- $\alpha$ -methyl- (CA INDEX NAME)



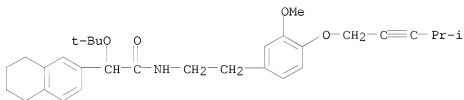
RN 1055254-61-9 CAPLUS

CN 2-Naphthaleneacetamide, N-[2-[4-(2-butyn-1-yloxy)-3-methoxyphenyl]ethyl]- $\alpha$ -(1,1-dimethylethoxy)-5,6,7,8-tetrahydro- (CA INDEX NAME)



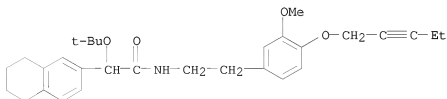
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CN INDEX NAME NOT YET ASSIGNED



RN 1055254-63-1 CAPLUS

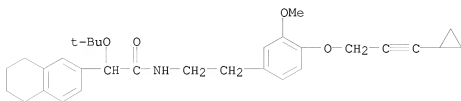
CN 2-Naphthaleneacetamide,  $\alpha$ -(1,1-dimethylethoxy)-5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-pentyn-1-yloxy)phenyl]ethyl]- (CA INDEX NAME)



RN 1055254-64-2 CAPLUS

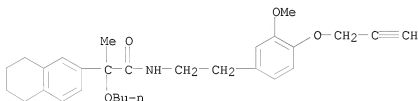
CN 2-Naphthaleneacetamide, N-[2-[4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-

methoxyphenyl]ethyl]- $\alpha$ -(1,1-dimethylethoxy)-5,6,7,8-tetrahydro- (CA INDEX NAME)



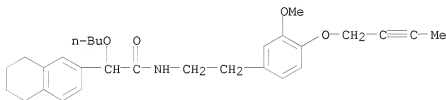
RN 1055255-69-0 CAPLUS

CN 2-Naphthaleneacetamide,  $\alpha$ -butoxy-5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- $\alpha$ -methyl- (CA INDEX NAME)



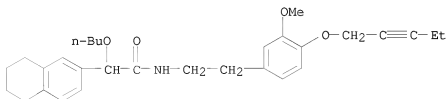
RN 1055255-70-3 CAPLUS

CN 2-Naphthaleneacetamide,  $\alpha$ -butoxy-N-[2-[4-(2-butyn-1-yloxy)-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro- (CA INDEX NAME)



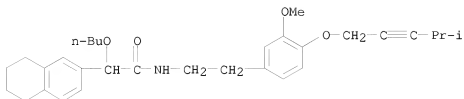
RN 1055255-71-4 CAPLUS

CN 2-Naphthaleneacetamide,  $\alpha$ -butoxy-5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-pentyn-1-yloxy)phenyl]ethyl]- (CA INDEX NAME)

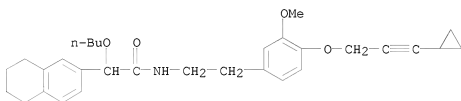


RN 1055255-72-5 CAPLUS

CN INDEX NAME NOT YET ASSIGNED



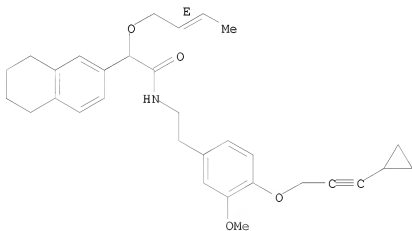
RN 1055255-73-6 CAPLUS

CN 2-Naphthaleneacetamide,  $\alpha$ -butoxy-N-[2-[4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro- (CA INDEX NAME)

RN 1055256-73-9 CAPLUS

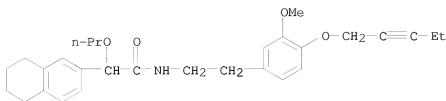
CN 2-Naphthaleneacetamide,  $\alpha$ -[(2E)-2-buten-1-yloxy]-N-[2-[4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro- (CA INDEX NAME)

Double bond geometry as shown.

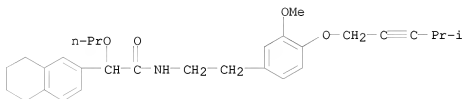


RN 1055258-31-5 CAPLUS

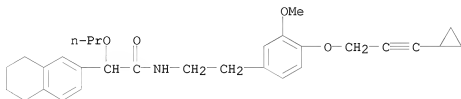
CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-pentyn-1-yloxy)phenyl]ethyl]- $\alpha$ -propoxy- (CA INDEX NAME)



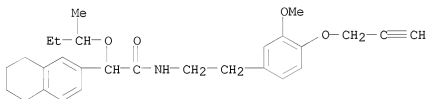
RN 1055258-32-6 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED



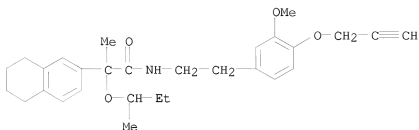
RN 1055258-33-7 CAPLUS  
CN 2-Naphthaleneacetamide, N-[2-[4-((3-cyclopropyl-2-propyn-1-yl)oxy)-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro-α-propoxy- (CA INDEX NAME)



RN 1055261-20-5 CAPLUS  
CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-α-(1-methylpropoxy)- (CA INDEX NAME)

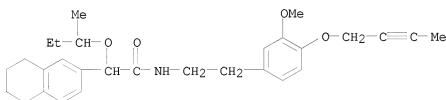


RN 1055261-21-6 CAPLUS  
CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-α-methyl-α-(1-methylpropoxy)- (CA INDEX NAME)



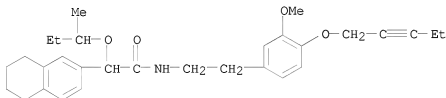
RN 1055261-22-7 CAPLUS

CN 2-Naphthaleneacetamide, N-[2-[4-(2-butyne-1-yloxy)-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro-α-(1-methylpropoxy)- (CA INDEX NAME)



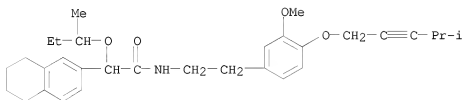
RN 1055261-23-8 CAPLUS

CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-pentyn-1-yloxy)phenyl]ethyl]-α-(1-methylpropoxy)- (CA INDEX NAME)



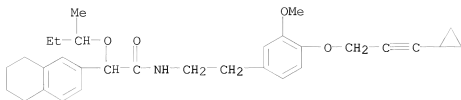
RN 1055261-24-9 CAPLUS

CN INDEX NAME NOT YET ASSIGNED



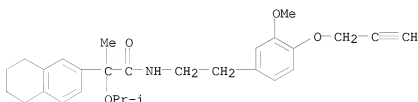
RN 1055261-25-0 CAPLUS

CN 2-Naphthaleneacetamide, N-[2-[4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro-α-(1-methylpropoxy)- (CA INDEX NAME)



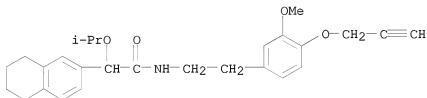
RN 1055262-68-4 CAPLUS

CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-α-methyl-α-(1-methylethoxy)- (CA INDEX NAME)



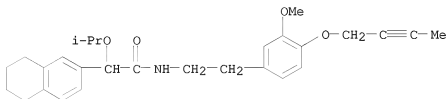
RN 1055262-70-8 CAPLUS

CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-α-(1-methylethoxy)- (CA INDEX NAME)



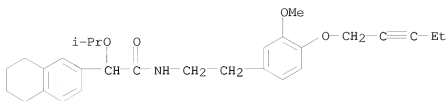
RN 1055262-73-1 CAPLUS

CN 2-Naphthaleneacetamide, N-[2-[4-(2-butyn-1-yloxy)-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro-α-(1-methylethoxy)- (CA INDEX NAME)

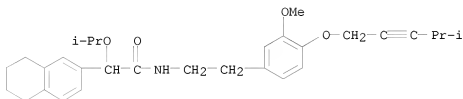


RN 1055262-75-3 CAPLUS

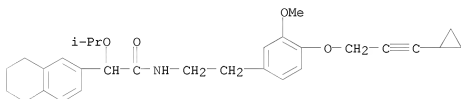
CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-pentyn-1-yloxy)phenyl]ethyl]-α-(1-methylethoxy)- (CA INDEX NAME)



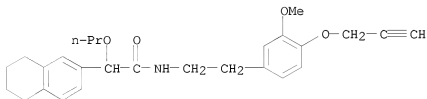
RN 1055262-76-4 CAPLUS  
 CN INDEX NAME NOT YET ASSIGNED



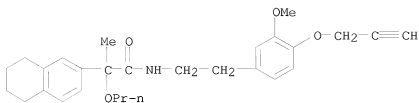
RN 1055262-78-6 CAPLUS  
 CN 2-Naphthaleneacetamide, N-[2-[4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro-α-(1-methylethoxy)- (CA INDEX NAME)



RN 1055264-42-0 CAPLUS  
 CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-α-propoxy- (CA INDEX NAME)

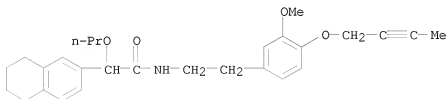


RN 1055264-43-1 CAPLUS  
 CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-α-methyl-α-propoxy- (CA INDEX NAME)



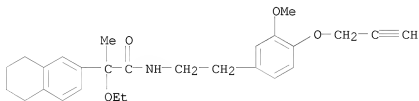
RN 1055264-45-3 CAPLUS

CN 2-Naphthaleneacetamide, N-[2-[4-(2-butyne-1-yloxy)-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro-α-propoxy- (CA INDEX NAME)



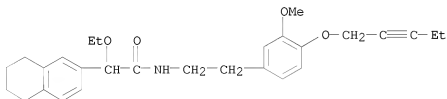
RN 1055267-02-1 CAPLUS

CN 2-Naphthaleneacetamide, α-ethoxy-5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-α-methyl- (CA INDEX NAME)



RN 1055267-05-4 CAPLUS

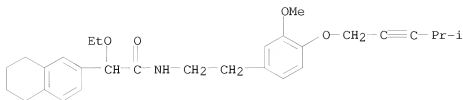
CN 2-Naphthaleneacetamide, α-ethoxy-5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-pentyn-1-yloxy)phenyl]ethyl]- (CA INDEX NAME)



RN 1055267-06-5 CAPLUS

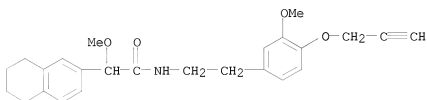
CN INDEX NAME NOT YET ASSIGNED





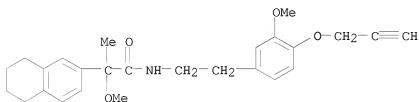
RN 1055270-60-4 CAPLUS

CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-α-methoxy-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- (CA INDEX NAME)



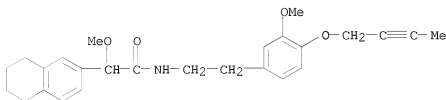
RN 1055270-61-5 CAPLUS

CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-α-methoxy-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-α-methyl- (CA INDEX NAME)



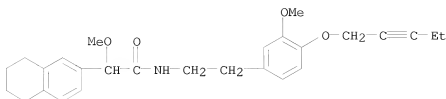
RN 1055270-62-6 CAPLUS

CN 2-Naphthaleneacetamide, N-[2-[4-(2-butyn-1-yloxy)-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro-α-methoxy- (CA INDEX NAME)

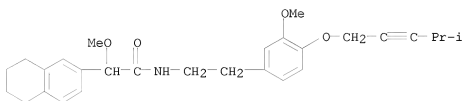


RN 1055270-63-7 CAPLUS

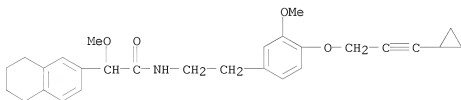
CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-α-methoxy-N-[2-[3-methoxy-4-(2-pentyn-1-yloxy)phenyl]ethyl]- (CA INDEX NAME)



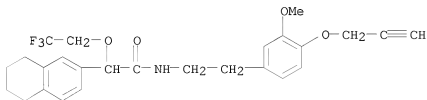
RN 1055270-64-8 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED



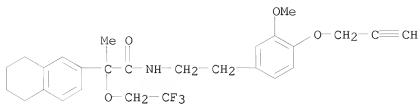
RN 1055270-65-9 CAPLUS  
CN 2-Naphthaleneacetamide, N-[2-[4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro-α-methoxy- (CA INDEX NAME)



RN 1055271-92-5 CAPLUS  
CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-α-(2,2,2-trifluoroethoxy)- (CA INDEX NAME)

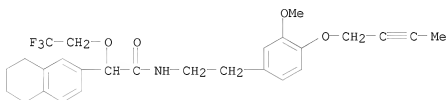


RN 1055271-93-6 CAPLUS  
CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-α-methyl-α-(2,2,2-trifluoroethoxy)- (CA INDEX NAME)



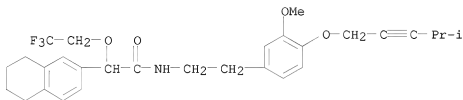
RN 1055271-94-7 CAPLUS

CN 2-Naphthaleneacetamide, N-[2-[4-(2-butyne-1-yloxy)-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro-α-(2,2,2-trifluoroethoxy)- (CA INDEX NAME)



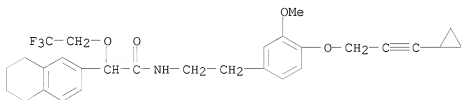
RN 1055271-95-8 CAPLUS

CN INDEX NAME NOT YET ASSIGNED



RN 1055271-98-1 CAPLUS

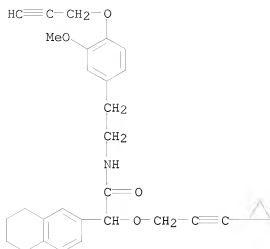
CN 2-Naphthaleneacetamide, N-[2-[4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro-α-(2,2,2-trifluoroethoxy)- (CA INDEX NAME)



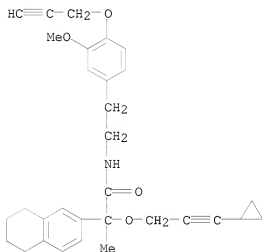
RN 1055273-51-2 CAPLUS

CN 2-Naphthaleneacetamide, α-[ (3-cyclopropyl-2-propyn-1-yl)oxy]-5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- (CA INDEX NAME)

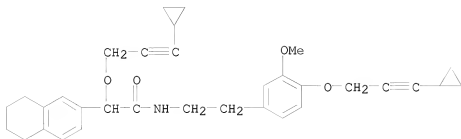
10/513699



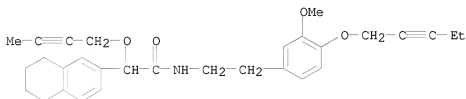
RN 1055273-52-3 CAPLUS  
 CN 2-Naphthaleneacetamide,  $\alpha$ -[(3-cyclopropyl-2-propyn-1-yl)oxy]-5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- $\alpha$ -methyl- (CA INDEX NAME)



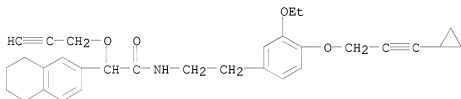
RN 1055273-53-4 CAPLUS  
 CN 2-Naphthaleneacetamide,  $\alpha$ -[(3-cyclopropyl-2-propyn-1-yl)oxy]-N-[2-[4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro- (CA INDEX NAME)



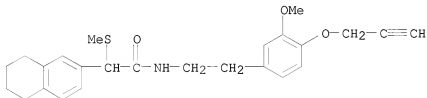
RN 1055274-16-2 CAPLUS

CN 2-Naphthaleneacetamide,  $\alpha$ -(2-butyn-1-yloxy)-5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-pentyn-1-yloxy)phenyl]ethyl]- (CA INDEX NAME)

RN 1055275-96-1 CAPLUS

CN 2-Naphthaleneacetamide, N-[2-[4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-ethoxyphenyl]ethyl]-5,6,7,8-tetrahydro- $\alpha$ -(2-propyn-1-yloxy)- (CA INDEX NAME)

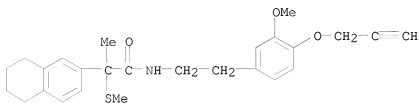
RN 1102336-75-3 CAPLUS

CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- $\alpha$ -(methylthio)- (CA INDEX NAME)

RN 1102336-76-4 CAPLUS

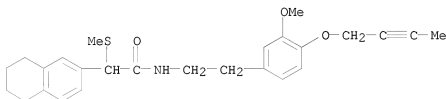
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CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- $\alpha$ -methyl- $\alpha$ -(methylthio)- (CA INDEX NAME)



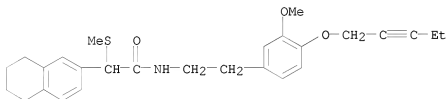
RN 1102336-77-5 CAPLUS

CN 2-Naphthaleneacetamide, N-[2-[4-(2-butyn-1-yloxy)-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro- $\alpha$ -(methylthio)- (CA INDEX NAME)



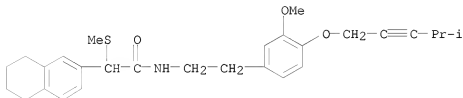
RN 1102336-78-6 CAPLUS

CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-pentyn-1-yloxy)phenyl]ethyl]- $\alpha$ -(methylthio)- (CA INDEX NAME)



RN 1102336-79-7 CAPLUS

CN INDEX NAME NOT YET ASSIGNED

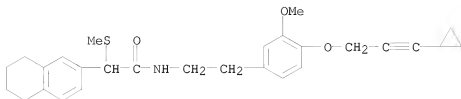


RN 1102336-80-0 CAPLUS

CN 2-Naphthaleneacetamide, N-[2-[4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro- $\alpha$ -(methylthio)- (CA INDEX NAME)

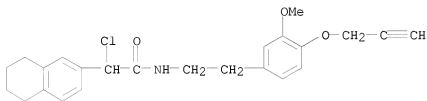
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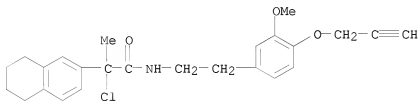
RN 1102339-25-2 CAPLUS

CN 2-Naphthaleneacetamide,  $\alpha$ -chloro-5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- (CA INDEX NAME)



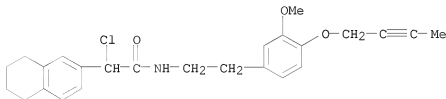
RN 1102339-26-3 CAPLUS

CN 2-Naphthaleneacetamide,  $\alpha$ -chloro-5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- $\alpha$ -methyl- (CA INDEX NAME)



RN 1102339-27-4 CAPLUS

CN 2-Naphthaleneacetamide, N-[2-[4-(2-butyn-1-yloxy)-3-methoxyphenyl]ethyl]- $\alpha$ -chloro-5,6,7,8-tetrahydro- (CA INDEX NAME)

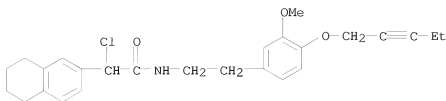


RN 1102339-28-5 CAPLUS

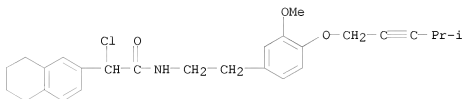
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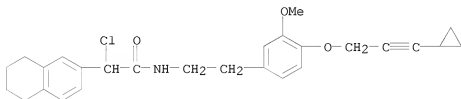
Erich Leese



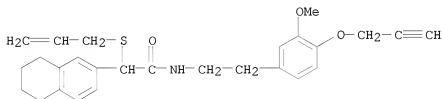
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CN INDEX NAME NOT YET ASSIGNED



RN 1102339-30-9 CAPLUS  
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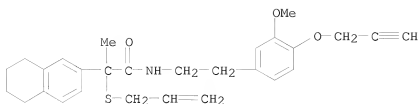


RN 1102340-45-3 CAPLUS  
CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- $\alpha$ -(2-propen-1-ylthio)- (CA INDEX NAME)



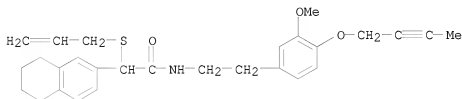
RN 1102340-46-4 CAPLUS  
CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- $\alpha$ -methyl- $\alpha$ -(2-propen-1-ylthio)- (CA INDEX NAME)





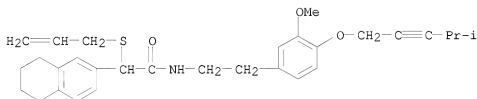
RN 1102340-47-5 CAPLUS

CN 2-Naphthaleneacetamide, N-[2-[4-(2-butyne-1-yloxy)-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro-α-(2-propen-1-ylthio)- (CA INDEX NAME)



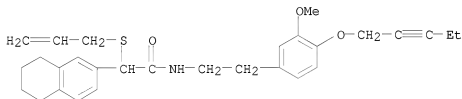
RN 1102340-48-6 CAPLUS

CN INDEX NAME NOT YET ASSIGNED



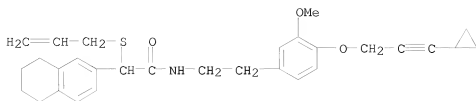
RN 1102340-49-7 CAPLUS

CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-pentyn-1-yloxy)phenyl]ethyl]-α-(2-propen-1-ylthio)- (CA INDEX NAME)



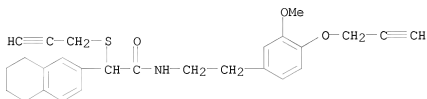
RN 1102340-50-0 CAPLUS

CN 2-Naphthaleneacetamide, N-[2-[4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro-α-(2-propen-1-ylthio)- (CA INDEX NAME)



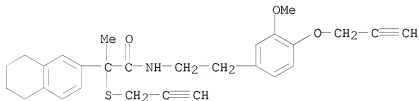
RN 1102343-22-5 CAPLUS

CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-α-(2-propyn-1-ylthio)- (CA INDEX NAME)



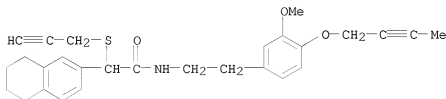
RN 1102343-23-6 CAPLUS

CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-α-methyl-α-(2-propyn-1-ylthio)- (CA INDEX NAME)



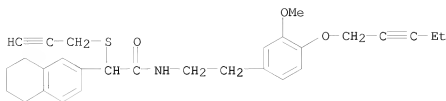
RN 1102343-24-7 CAPLUS

CN 2-Naphthaleneacetamide, N-[2-[4-(2-butyn-1-yloxy)-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro-α-(2-propyn-1-ylthio)- (CA INDEX NAME)

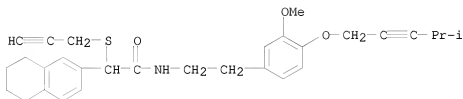


RN 1102343-25-8 CAPLUS

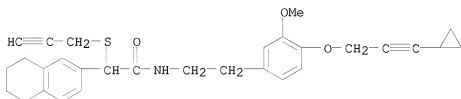
CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-pentyn-1-yloxy)phenyl]ethyl]-α-(2-propyn-1-ylthio)- (CA INDEX NAME)



RN 1102343-26-9 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED



RN 1102343-27-0 CAPLUS  
CN 2-Naphthaleneacetamide, N-[2-[4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro- $\alpha$ -(2-propyn-1-ylthio)- (CA INDEX NAME)

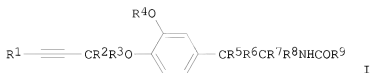


OS.CITING REF COUNT: 14 THERE ARE 14 CAPLUS RECORDS THAT CITE THIS RECORD (15 CITINGS)  
REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 15 OF 47 CAPLUS COPYRIGHT 2009 ACS on STN  
 ACCESSION NUMBER: 2000:493502 CAPLUS  
 DOCUMENT NUMBER: 133:104883  
 TITLE: Preparation of (acylaminoethyl)aryl propargyl ethers  
 as agrochemical microbicides.  
 INVENTOR(S): Zeller, Martin; Jeanguenat, Andre; Lamberth, Clemens;  
 Kunz, Walter  
 PATENT ASSIGNEE(S): Novartis A.-G., Switz.; Novartis-Erfindungen  
 SOURCE: PCT Int. Appl., 89 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000041998	A1	20000720	WO 2000-EP106	20000110 <--
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
TW 564244	B	20031201	TW 1999-88121433	19991204 <--
CA 2356121	A1	20000720	CA 2000-2356121	20000110 <--
CA 2356121	C	20090331		
EP 1140799	A1	20011010	EP 2000-901518	20000110 <--
EP 1140799	B1	20040102		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
BR 2000007469	A	20011030	BR 2000-7469	20000110 <--
TR 200102004	T2	20011221	TR 2001-2004	20000110 <--
HU 2001005039	A2	20020429	HU 2001-5039	20000110 <--
HU 2001005039	A3	20020528		
JP 2002534494	T	20021015	JP 2000-593567	20000110 <--
AU 759247	B2	20030410	AU 2000-22886	20000110 <--
AT 257148	T	20040115	AT 2000-901518	20000110 <--
ES 2213565	T3	20040901	ES 2000-901518	20000110 <--
RU 2237058	C2	20040927	RU 2001-121196	20000110 <--
CN 1257153	C	20060524	CN 2000-802706	20000110
IL 144105	A	20061231	IL 2000-144105	20000110
PL 200004	B1	20081128	PL 2000-348923	20000110
EG 23070	A	20040229	EG 2000-18	20000111 <--
ZA 2001005514	A	20021004	ZA 2001-5514	20010704 <--
IN 2001CN00951	A	20050304	IN 2001-CN951	20010706
MX 2001006978	A	20011011	MX 2001-6978	20010709 <--
US 6469005	B1	20021022	US 2001-903651	20010711 <--
PRIORITY APPLN. INFO.:			GB 1999-455	A 19990111
			WO 2000-EP106	W 20000110

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT  
 OTHER SOURCE(S): MARPAT 133:104883  
 GI



AB Title compds. [I; R1 = H, alkyl, cycloalkyl, (substituted) aryl; R2, R3 = H, alkyl; R4 = alkyl, alkenyl, alkynyl; R5-R8 = H, alkyl; R9 = COR10, C(OZ)R10R11, C(:NOR12)R10, etc.; R10 = (substituted) aryl, heteroaryl; R11 = H (substituted) alkyl, alkenyl, alkynyl; Z = H, COR16, CO2R16, COC2R16, CONR16R17; R12 = H, (substituted) alkyl, alkenyl, alkynyl; R16, R17 = H, (substituted) alkyl, cycloalkyl, aryl, heteroaryl], were prepared. Thus, 2-(3,4-dichlorophenyl)-N-[2-(3-methoxy-4-prop-2-ynyloxyphenyl)ethyl]-2-oxoacetamide was heated with MeONH2.HCl and pyridine in EtOH at 80° for 4 h to give 2-(3,4-dichlorophenyl)-2-methoxyimino-N-[2-(3-methoxy-4-prop-2-ynyloxyphenyl)ethyl]acetamide. Numerous I as 0.02% sprays gave complete control of *Plasmopara viticola* on vines.

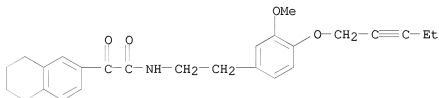
IT	1100606-32-3	1100607-98-4	1100609-21-9
	1100610-64-7	1100612-05-2	1100613-48-6
	1100614-54-7	1100616-02-1	1100617-03-5
	1100618-95-8	1100619-63-3	1100620-98-1
	1100621-30-4	1100623-97-9	1100626-75-2
	1100628-19-0	1100629-73-9	1100630-98-5
	1100633-66-6	1100634-28-3	

RL: PRPH (Prophetic)

(Preparation of (acylaminoethyl)aryl propargyl ethers as agrochemical microbicides.)

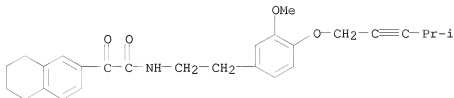
RN 1100606-32-3 CAPLUS

CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-pentyn-1-yloxy)phenyl]ethyl]- $\alpha$ -oxo- (CA INDEX NAME)



RN 1100607-98-4 CAPLUS

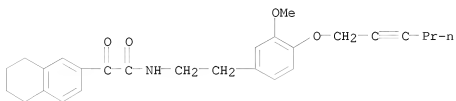
CN INDEX NAME NOT YET ASSIGNED



RN 1100609-21-9 CAPLUS

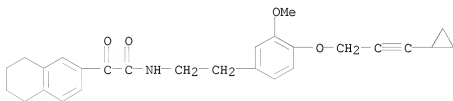
10/513699

CN 2-Naphthaleneacetamide, N-[2-[4-(2-hexyn-1-yloxy)-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro- $\alpha$ -oxo- (CA INDEX NAME)



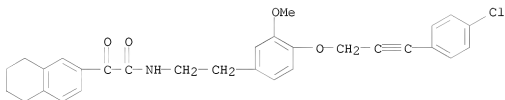
RN 1100610-64-7 CAPLUS

CN 2-Naphthaleneacetamide, N-[2-[4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro- $\alpha$ -oxo- (CA INDEX NAME)



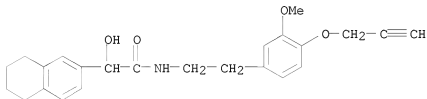
RN 1100612-05-2 CAPLUS

CN INDEX NAME NOT YET ASSIGNED



RN 1100613-48-6 CAPLUS

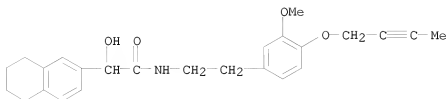
CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro- $\alpha$ -hydroxy-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- (CA INDEX NAME)



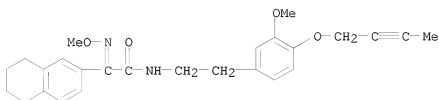
RN 1100614-54-7 CAPLUS

CN 2-Naphthaleneacetamide, N-[2-[4-(2-butyn-1-yloxy)-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro- $\alpha$ -hydroxy- (CA INDEX NAME)

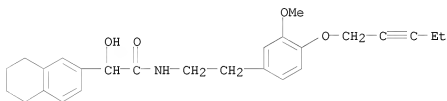
10/513699



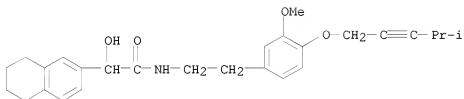
RN 1100616-02-1 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED



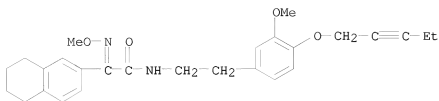
RN 1100617-03-5 CAPLUS  
CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro- $\alpha$ -hydroxy-N-[2-[3-methoxy-4-(2-pentyn-1-yloxy)phenyl]ethyl]- (CA INDEX NAME)



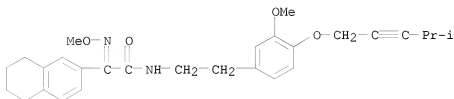
RN 1100618-95-8 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED



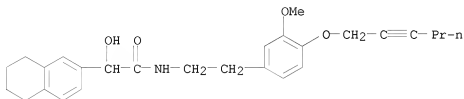
RN 1100619-63-3 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED



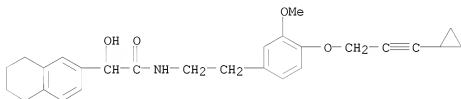
RN 1100620-98-1 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED



RN 1100621-30-4 CAPLUS  
CN 2-Naphthaleneacetamide, N-[2-[4-(2-hexyn-1-yloxy)-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro-α-hydroxy- (CA INDEX NAME)



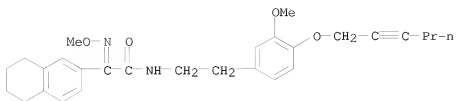
RN 1100623-97-9 CAPLUS  
CN 2-Naphthaleneacetamide, N-[2-[4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro-α-hydroxy- (CA INDEX NAME)



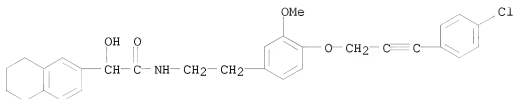
RN 1100626-75-2 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED



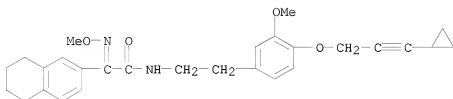
10/513699



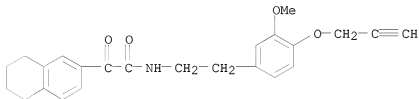
RN 1100628-19-0 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED



RN 1100629-73-9 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

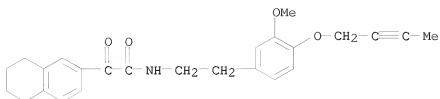


RN 1100630-98-5 CAPLUS  
CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-α-oxo- (CA INDEX NAME)

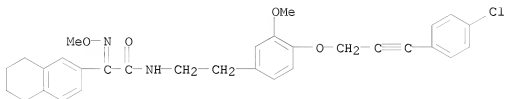


RN 1100633-66-6 CAPLUS  
CN 2-Naphthaleneacetamide, N-[2-[4-(2-butyne-1-yloxy)-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro-α-oxo- (CA INDEX NAME)

10/513699



RN 1100634-28-3 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED

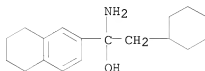


OS.CITING REF COUNT: 11 THERE ARE 11 CAPLUS RECORDS THAT CITE THIS  
RECORD (13 CITINGS)  
REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 16 OF 47 CAPLUS COPYRIGHT 2009 ACS on STN  
 ACCESSION NUMBER: 1965:90683 CAPLUS  
 DOCUMENT NUMBER: 62:90683  
 ORIGINAL REFERENCE NO.: 62:16162c-e  
 TITLE: New tetrahydronaphthalene derivatives  
 PATENT ASSIGNEE(S): Holding Ceresia S.A.  
 SOURCE: 10 pp.  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Unavailable  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
FR 1390056		19650219	FR 1964-971752	19640421 <--
BE 658392			BE	
			CH	19631109

PRIORITY APPLN. INFO.:  
 GI For diagram(s), see printed CA Issue.  
 AB Condensation of  $\omega$ -bromo-5,6,7,8-tetrahydro-2-acetonaphthone (I) with amines leads to substituted  $\omega$ -amino-5,6,7,8-tetrahydro-2-acetonaphthones (II). The latter can be reduced by hydrogenation to give III. To a solution of 120 g. I in 700 mL anhydrous Et<sub>2</sub>O was added at 15° 60 g. iso-PrNH<sub>2</sub> in 200 mL Et<sub>2</sub>O. After standing 15-20 h. at 10°, the solution was filtered, evaporated in vacuo, and the residue taken up in Et<sub>2</sub>O and treated with HCl gas to give  $\omega$ -isopropylamino-5,6,7,8-tetrahydro-2-acetonaphthone-HCl (II) (R : iso-Pr) (IV), m. 208-9°. An alc. solution of 50 g. IV was hydrogenated over 2 g. Pd-C (10% Pd) at 2-5 atmospheric, filtered, and evaporated to give 2-isopropylamino-1-(5,6,7,8-tetrahydro-2-naphthyl)ethanol-HCl (III) (R : iso-Pr), m. 160-2°. Similarly prepared were the following compds. (compound, R, and m.p. given): II, sec-Bu, 182-4°; III, sec-Bu, 129-30°; II, tert-Bu, 226-7°; III, tert-Bu, 196-7°; II, PhCH<sub>2</sub>CHMe (V), 210-11°; III, PhCH<sub>2</sub>CHMe, 142-3°; II cyclohexyl, 231-2°; III, cyclohexyl, 178-9°. Most HCl salts were recrystd. from EtOH-Et<sub>2</sub>O, but V was recrystd. from EtOH.  
 IT 1087756-57-7P  
 RL: SPN (Synthetic preparation); PRP (Properties); PREP (Preparation) (New tetrahydronaphthalene derivatives)  
 RN 1087756-57-7 CAPLUS  
 CN 2-Naphthalenemethanol,  $\alpha$ -amino- $\alpha$ -(cyclohexylmethyl)-5,6,7,8-tetrahydro-, hydrochloride (1:1) (CA INDEX NAME)



● HCl

10/513699

<12/04/2007>

Erich Leese

L5 ANSWER 17 OF 47 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1964:432238 CAPLUS

DOCUMENT NUMBER: 61:32238

ORIGINAL REFERENCE NO.: 61:5580b-d

TITLE: New series of  $\beta$ -adrenergic blocking agents

AUTHOR(S): Ferrari, G.; Casagrande, C.; Canova, M.

CORPORATE SOURCE: Lab. Ric. Simes, Milan, S.p.A.

SOURCE: Bollettino Chimico Farmaceutico (1964),

103(1), 32-6

CODEN: BCFAAI; ISSN: 0006-6648

DOCUMENT TYPE: Journal

LANGUAGE: Unavailable

GI For diagram(s), see printed CA Issue.

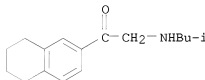
AB The compds. were prepared by catalytic hydrogenation of aminoketones and isolated as hydrochlorides; they were soluble in H<sub>2</sub>O and alc., less soluble in Me<sub>2</sub>CO, and insol. in ether. The aminoketones used were obtained by reaction, in anhydrous ether, of  $\alpha$ -bromo-5,6,7,8-tetrahydro-2-acetonaphthone (I) (prepared by bromination, in ether, in the presence of Cl<sub>3</sub>Al) with an excess of amine containing the iso-Pr, iso-Bu, tert-Bu, cyclohexyl, and 2-phenyl isopropyl radicals. In an example, 160 ml. anhydrous ether containing 25.3 g. I was mixed with 12.7 g. iso-PrNH<sub>2</sub> in 20 ml. anhydrous ether at 15-20°; after continuous stirring 7 hrs., the mixture was filtered, the solvent evaporated in vacuo, the non-reacted amine filtered, and the filtrate acidified with an ether solution of dry HCl to yield 19 g.  $\alpha$ -(isopropylamino)5,6,7,8-tetrahydro-2-acetonaphthone hydrochloride, m. 208-9°. Similarly were prepared the following N-substituted  $\alpha$ -amino-5,6,7,8-tetrahydro-2-acetonaphthones (substituent and m.p. given): iso-Bu, 182-4°; tert-Bu, 226-7°; cyclohexyl, 231-2° and 2-phenylisopropyl, 210-11°. Also prepared were the following (II) (R and m.p. given): iso-Pr, 160-2°; iso-Bu, 129-30°; tert-Bu, 196-8°; cyclohexyl, 178-9°; and 2-phenylisopropyl, 143-4°.

IT 1082682-40-3P

RL: SPN (Synthetic preparation); PRP (Properties); PREP (Preparation)  
(New series of  $\beta$ -adrenergic blocking agents)

RN 1082682-40-3 CAPLUS

CN Ethanone, 2-[(2-methylpropyl)amino]-1-(5,6,7,8-tetrahydro-2-naphthalenyl)-  
(CA INDEX NAME)



L5 ANSWER 18 OF 47 CAPLUS COPYRIGHT 2009 ACS on STN  
 ACCESSION NUMBER: 1964:404138 CAPLUS  
 DOCUMENT NUMBER: 61:4138  
 ORIGINAL REFERENCE NO.: 61:625d-h,626a-d  
 TITLE: Homocyclic compositions  
 INVENTOR(S): Howe, R.; Smith, L. H.; Stephenson, J. S.  
 PATENT ASSIGNEE(S): Imperial Chemical Industries Ltd.  
 SOURCE: 22 pp.  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Unavailable  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
BE 630210		19631021	BE	<--
FR M3063			FR	
GB 1005026			GB	
NL 290728			NL	
			GB	19620328

## PRIORITY APPLN. INFO.:

OTHER SOURCE(S): MARPAT 61:4138

GI For diagram(s), see printed CA Issue.

AB Pharmaceutically active compds. of the general formula I where R is a lower alkyl radical, n is 3 or 4, and B may be partially reduced or contain a Me substituent. Thus, NaBH<sub>4</sub> 1 is added with agitation at 0° over 10 min. to 2-(isopropylaminoacetyl)-5,6,7,8-tetrahydronaphthalene-HBr (II) 3 in MeOH 50, the mixture held 3 hrs., the MeOH evaporated at 30°, 0.5N HCl 80 added, the mixture washed with Et<sub>2</sub>O 20, 2N NaOH 30 added to the aqueous acidic layer and the aqueous layer extracted with Et<sub>2</sub>O 50 parts, dried over anhydrous MgSO<sub>4</sub>, and evaporated to give 2-isopropylamino-1-(5,6,7,8-tetrahydro-2-naphthyl)ethanol (III), m. 84-5° (petr. ether, b. 4060°, and AcOEt); HCl salt m. 157°; HBr salt m. 224-6°. 2-[N-(1-Phenylprop-2-yl)amino]-1-(5,6,7,8-tetrahydronaphth-2-yl)ethanol (IV) is produced as a tar in a similar manner starting with the HBr salt of 2-[N-(1-phenylprop-2-yl)aminoacetyl]5,6,7,8-tetrahydronaphthalene. IV oxalate m. 158-9°; IV. HBr m. 227-8°. NaBH<sub>4</sub> 22 is added in 30 min. at 0-15° to 2-(α-bromoacetyl)-5,6,7,8-tetrahydronaphthalene 77, in cyclohexane 200, the mixture kept 1 hr., poured onto ice, and extracted with Et<sub>2</sub>O 300 parts, and the extract washed with H<sub>2</sub>O, dried over anhydrous MgSO<sub>4</sub>, and distilled This oily mixture 10 is heated 16 hrs. with iso-PrNH<sub>2</sub> 20 and EtOH 200, N HCl 100 added, the mixture washed with Et<sub>2</sub>O 50, treated with 2N NaOH 75 and extracted with 100 parts Et<sub>2</sub>O, the extract washed with H<sub>2</sub>O, dried over anhydrous MgSO<sub>4</sub>, and evaporated, and the residue treated with oxalic acid in MeOH to give the hemioxalate of 2-isopropylamino-1-(5,6,7,8-tetrahydro-2-naphthyl)ethanol (V), m. 214°. NaBH<sub>4</sub> 1 is added during 10 min. at 0° with stirring to crude (5,6,7,8-tetrahydro-2-naphthyl)glyoxal (VI) in EtNH<sub>2</sub> 3 and MeOH 20, the mixture stirred 2 hrs. and evaporated, the residue treated with 0.5N HCl 100, the solution washed with Et<sub>2</sub>O 30, treated with 2N NaOH 35, and extracted with Et<sub>2</sub>O 100 parts, the extract washed with water, dried, and evaporated to give 2-ethylamino-1-(5,6,7,8-tetrahydro-2-naphthyl)ethanol (VII), m. 85-6° (AcOEt). VI is obtained by boiling 2-α-bromoacetyl-5,6,7,8-tetrahydronaphthalene S with Me<sub>2</sub>SO 70, pouring

onto ice 200, extracting with Et2O 200, washing with saturated NaHCO3 solution 30 parts, then H2O, drying over anhydrous MgSO4, and evaporating 2-Isopropylamino-1-(2-naphthyl)ethanol (VIII) 10 in EtOH 10 is hydrogenated at 125 atmospheric 6 hrs. in the presence of Raney Ni 1, the mixture treated with Et2O 50 and filtered, the filtrate evaporated, the residue treated with 2N HCl 50, the solution washed with Et2O 50, treated with 11N NaOH 20, and extracted with Et2O 50 parts, the extract dried over anhydrous

MgSO4, evaporated, and recrystd. from petr. ether (b. 60-80°) to give III. VIII 2.3 is hydrogenated at 125°/125 atmospheric 6 hrs. in the presence of 5% Rh-C 0.5, the mixture purified, treated with (CO2H)2 1 in Et2O 50 parts, and filtered to give the oxalate of 1-decahydro-2-naphthyl-2-isopropylethanol (IX), m. 122-4° (EtOH-AcOEt, 1:10). Prepared in a similar manner to VII is 2-[N-1-hydroxy-2-methylprop-2-yl)amino]-1-(5,6,7,8-tetrahydro-2-naphthyl)ethanol (X), m. 118-19° (AcOEt). Prepared in a similar manner to III are: 1-indan-5-yl-2-isopropylaminoethanol (XI), m. 99°; 2-sec-butylamino-1-indan-5-ylethanol (XII), m. 75-6°; 2-tertbutylamino-1-indan-5-ylethanol (XIII), m. 121-2°; 2-butylaminoindan-5-ylethanol (XIV), m. 94-5°; 2-[2-(3,4-dimethoxyphenyl)ethylamino]-1-indan-5-ylethanol (XV), m. 111-12°; 2tert-butyl-1-(5,6,7,8-tetrahydro-2-naphthyl)ethanol (XVI), m. 85-6° (HCl salt, m. 203.4°). NaBH4 1 is added over 30 min. at 0° to indan-5-ylglyoxal (XVII) 2, EtNH2 1.2, and MeOH 40, the mixture kept 2 hrs. and evaporated, 0.5N HCl 100 added, the mixture washed, with Et2O 30, treated with 2N NaOH 35, and extracted with Et2O 100 parts, and the extract washed with H2O, dried, and evaporated to give 2-ethylamino-1-indan-5-ylethanol (XVIII), m. 110-11° (AcOEt). XVII, m. 240-1° is produced by boiling 5- $\alpha$ -bromoacetylindan 5 and Me2SO 40, keeping 2 days, pouring over ice 200, extracting with Et2O 200, washing with saturated NaHCO3 solution 30 parts, then water, drying over

anhydrous MgSO4, evaporating and recrystg. from H2O. A mixture of 2-N-benzyl-N-isopropylamino-1-(2-naphthyl)ethanol (XIX) 1, EtOH 16, and concentrated HCl 0.2 is hydrogenated at atm. pressure using Pt oxide 0.3 parts and filtered and the filtrate evaporated, to give 2-isopropylamino-1-(5,6,7,8-tetrahydro-2-naphthyl)ethanol (XX), m. 157° (AcOEt). XIX, m. 154°, is obtained by hydrogenating 2-N-benzyl-N-isopropylaminoacetylnaphthalene using a Pt oxide catalyst. 2-Acetyl-3methyl-5,6,7,8-tetrahydronaphthalene (XXI) 20 is reduced by boiling 5 hrs. with dioxane 150, H2O 10, and SeO2 12.5, cooling, filtering, drying the filtrate, dissolving in iso-PrNH2 7 and EtOH 160, cooling, and adding NaBH4 9 parts in 1 hr. Water 10 is added, the mixture evaporated, the residue washed with Et2O 200 and H2O 50 parts, the ether phase washed with H2O, dried over anhydrous MgSO4, and evaporated to give 2-isopropylamino-1-(3-methyl-5,6,7,8-tetrahydro-2-naphthyl)ethanol (XXII), m. 108° (Ac-OEt). XXI, b.p. 153-7° is obtained by adding a mixture of 2-methyl-5,6,7,8-tetrahydronaphthalene 15, AcCl 9, and CS2 60 at 0° to a suspension of AlCl3 15 in CS2 125 parts. After 16 hrs. an ice-H2O mixture 200 is added, the CS2 evaporated, the residue extracted with Et2O 200, the extract washed with H2O, dried over anhydrous MgSO4, and evaporated, and the residual liquid fractionally distilled. Tablets for oral administration are obtained from III.HCl, IV.HCl, VII.HCl, X.HCl, or XIII.HCl.

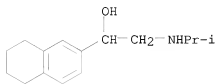
10/513699

IT 1071607-66-3P

RL: SPN (Synthetic preparation); PRP (Properties); PREP (Preparation)  
(Homocyclic compositions)

RN 1071607-66-3 CAPLUS

CN 2-Naphthalenemethanol, 5,6,7,8-tetrahydro- $\alpha$ -[[(1-methylethyl)amino]methyl]-, hydrobromide (1:1) (CA INDEX NAME)



● HBr



L5 ANSWER 19 OF 47 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1962:423372 CAPLUS

DOCUMENT NUMBER: 57:23372

ORIGINAL REFERENCE NO.: 57:4722c-i,4723a-c

TITLE: Chemistry of p-quinols. I. V. Stereochemistry of the Tetralin p-quinols and the estra-p-quin-10-ols  
 AUTHOR(S): Heeker, Erich; trell, Rudolf Lat; Meyer, Elisabeth  
 CORPORATE SOURCE: Biochem., Max-Planck-Inst., Munich, Germany  
 SOURCE: Chemische Berichte (1962), 95, 985-95  
 CODEN: CHBEAM; ISSN: 0009-2940

DOCUMENT TYPE: Journal

LANGUAGE: Unavailable

AB Racemic Tetralin p-quinol (I) was resolved into the optical antipodes via the strychnine (II) salts of the acid 3-nitrophthalates. The configuration and conformation of the antipodes is discussed and related to the configuration and conformation of the estra-p-quinols on the basis of the optical shift rule and the rotational dispersion. From this the absolute configuration of the antipodes of I is deduced. Tetralin nitrated by the method of Schroeter (CA 16, 1763) gave a yellow oily mixture of 5- and 6-nitro derivs., b13 156-65°; a 90-g. portion in 400 cc. hot EtOH treated with 5.5 g. NH4Cl in 80 cc. H2O and then with stirring above 70° during 10 min. with 70 g. Zn dust, stirred 10 min., filtered at 65-70°, the residue washed with 80% EtOH, the combined filtrates poured into 2.5 l. H2O and extracted with 600 cc. Et2O, the extract shaken immediately with 250 cc. 10% H2SO4 to precipitate the sulfate of the 6HONH

derivative

of Tetralin, the aqueous phase again extracted with 600 cc. Et2O, and the extract

shaken with H2SO4 and filtered, the Et2O phase separated, the filter residues suspended in the combined aqueous phases and extracted 10 hrs. with C6H6, and the

extract evaporated gave 22 g. dark oil which diluted with 50 cc. cyclohexane deposited 5-6 g. pure I, m. 125-6° (Me2CO and EtOAc); the original Et2O phase evaporated, the residue (55 g.) distilled, and the distillate (40

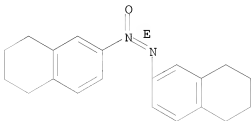
g.),

b13 150-65°, refrigerated gave 5-nitro derivative of Tetralin, m. 34-5° (MeOH); the distillation residue (15 g.) gave some 6,6'-azoxy derivative of Tetralin, m. 99-100°. I (1.3 g.) and 4.3 g. 3-nitrophthalic anhydride heated 7 hrs. at 40-5° in 14 cc. CH2Cl2 and 14 cc. C5H5N, kept overnight, heated 1 hr. at 40°, poured into iced H2O, acidified with N HCl, and extracted with 3:1 CHCl3-CH2Cl2, and the extract worked up gave 1.73 g. 3-nitro-2-phthalate (III) of I, m. 172° (MeOH); the mother liquor evaporated, and residue (1.6 g.) (from several runs) dissolved in 2.5 cc. warm MeOCH2CH2OH and allowed to stand 2 days deposited 820 mg. 3-nitro-1-phthalate (IV) of I, m. 192°. The Rf values were determined with 15:5:6 nonane-C6H6-AcOH for the following compds. (m.p. and Rf value given): Et 3-nitro-2 phthalate, 154°, 0.24; Et 3-nitro-1-phthalate, 107°, 0.18; Bu 8-nitro-2-phthalate, 143°, 0.40; Bu 3-nitro-1-phthalate, 90°, 0.34; III, 172°, 0.18; IV, 192°, 0.13. III (7 mg.) treated 10 hrs. at 45° with a 5-fold excess of K2CO3 gave only. unchanged III. II (7 mg.) refluxed 7 hrs. with 2.5 equivs. KOH in MeOH gave only phenolic material and unchanged III; the same result was obtained by refluxing 4 hrs. with 1% H2SO4-MeOH or by keeping several days in MeOH with 1.5 equivs. p-MeC6H4SO3H. III (1.067 g.) in 100 cc. CHCl3 treated with CH2N2-Et2O and the product chromatographed on Al2O3 gave 95% 1-Me 2-(Tetralin pquinol) 3-nitrophthalate (V), m. 114-15.5° (1:1

C6H6cyclohexane). Crude V (3 millimoles) in 25 cc. MeOH treated with 60 cc. aqueous K2CO3, kept 5 days at room temperature, treated in the dark with H2O and CHCl3, and the residue from the organic layer chromatographed on Al2O3 yielded 100 mg. yellow, partially crystalline mixture of polymethylene and diMe 3-nitrophthalate (VI), 283 g. crystalline VI, 250 mg. V, 40 mg. yellow oily mixture of III and I, and 140 mg. I. III (7.14 g.) in 250 cc. Me2CO treated with 6.68 g. II in the min. amount of CHCl3, concentrated in vacuo at 40° to about 100 cc., diluted with 150 cc. Me2CO, again concentrated to 100 cc., diluted with 40 cc. H2O of 60°, concentrated to 120 cc., and refrigerated overnight gave 6.2 g. II salt; the salt (6.2 g.) in 20 cc. CHCl3 diluted with 200 cc. Me2CO and concentrated to 100 cc. at 40°, this treatment repeated, and the concentrate diluted with 40 cc. warm H2O and refrigerated overnight gave 5.4 g. salt,  $[\alpha]_D^{23} -12^\circ$  (4:1 EtOH-CHCl3), which recrystd. gave 4.3 g. salt,  $[\alpha]_D^{25} -11^\circ$  (4:1 EtOH-CHCl3). II salt (4.5 g.),  $[\alpha]_D^{24} -12^\circ$ , in 100 cc. CHCl3 shaken with five to seven 30cc. portions 2N HCl, concentrated to 4 cc., and filtered on the next day gave (+)-III,  $[\alpha]_D^{25} 32^\circ$  (c 1.25, EtOH),  $[\alpha]_D^{26} 62^\circ$  (c 1.25, dioxane), m. 173-4° (MeOH). The original mother liquor evaporated, the residual II salt (7.5 g.),  $[\alpha]_D^{22} 12^\circ$  (EtOH-CHCl3), dissolved in 20 cc. H2O, and slowly evaporated gave 2.1 g. crystals,  $[\alpha]_D^{24} 8^\circ$  (EtOH-CHCl3a); the remaining mother liquor gave 5.6 g. II salt,  $[\alpha]_D^{26} 14^\circ$  (EtOH-CHCl3); a 5-g. portion decomposed with 2N HCl yielded 1.81 g. (-)-III, m. 170-1° (CHCl3),  $[\alpha]_D^{26} -30^\circ$  (c 0.93, EtOH),  $[\alpha]_D^{25} -62^\circ$  (c 1.69, dioxane). (+)-III (1.07 g.) treated with CH2N2-Et2O, the resulting Me ester saponid, with K2CO3 in MeOH, and the reaction product chromatographed gave 110 mg. (+)-V, m. 119-20°,  $[\alpha]_D^{25} 114^\circ$ ,  $[\alpha]_D^{26} 111^\circ$  (c 1, dioxane). (-)-III (1.8 g.) gave similarly 92 mg. (-)-V, m. 118-19° (EtOAc),  $[\alpha]_D -12^\circ$  (c 1, dioxane).

IT 1087735-80-5P  
 RL: SPN (Synthetic preparation); PRP (Properties); PREP (Preparation)  
 (Chemistry of p-quinols. I. V. Stereochemistry of the Tetralin  
 p-quinols and the estra-p-quin-10-ols)  
 RN 1087735-80-5 CAPLUS  
 CN INDEX NAME NOT YET ASSIGNED

Double bond geometry as shown.



OS.CITING REF COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD  
 (1 CITINGS)

L5 ANSWER 20 OF 47 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1960:97472 CAPLUS

DOCUMENT NUMBER: 54:97472

ORIGINAL REFERENCE NO.: 54:18451c-h

TITLE: Derivatives of naphthalenes and fatty acids:  
heptanoylnaphthalenes and -naphthols

AUTHOR(S): Jorand, J.

SOURCE: Oleagineux (1960), 15, 183-8

CODEN: OLEAAF; ISSN: 0030-2082

DOCUMENT TYPE: Journal

LANGUAGE: Unavailable

- AB The following derivs. of Me(CH<sub>2</sub>)<sub>5</sub>CO<sub>2</sub>H, b2 134°, were prepared:  
Me(CH<sub>2</sub>)<sub>5</sub>COC1 (I), b25-27 83-6°; Me(CH<sub>2</sub>)<sub>5</sub>CONH<sub>2</sub>, m. 96-6.5°;  
Me(CH<sub>2</sub>)<sub>5</sub>CN (II), b2885°, n20D 1.4144; α-C10H<sub>7</sub>CO(CH<sub>2</sub>)<sub>5</sub>Me (III)  
(from II and α-C10H<sub>7</sub>MgBr), b0.01-0.02 162-8°, n20D 1.5715,  
n40D 1.5640; III 2,4-dinitrophenylhydrazones m. 128.5°;  
β-C10H<sub>7</sub>CO(CH<sub>2</sub>)<sub>5</sub>Me (IV) (by Friedel-Crafts), m. 60°, b0.02  
155-8°; IV 2,4-dinitrophenylhydrazones m. 191.5-2°; IV  
p-nitrophenylhydrazones m. 174-5°; β-heptanoyl derivative (V) of  
Tetralin, b0.02 152-4°, n20D 1.5320, n40D 1.5241; V  
2,4-dinitrophenylhydrazones m. 155.5°. The absorption spectra of  
the different dinitrophenylhydrazones were given. Also prepared were  
α-C10H<sub>7</sub>CH(OH)(CH<sub>2</sub>)<sub>5</sub>Me, n20D 1.5692, n40D 1.5609;  
β-C10H<sub>7</sub>CH(OH)(CH<sub>2</sub>)<sub>5</sub>Me, m. 35-7°; acetate m. 60°, n40D  
1.5537; β-C10H<sub>11</sub>CH(OH)(CH<sub>2</sub>)<sub>5</sub>Me, n20D 1.5241, n40D 1.5172;  
α-C10H<sub>7</sub>CH(NH<sub>2</sub>)(CH<sub>2</sub>)<sub>5</sub>Me, b0.02 152-5°, n20D 1.5702;  
hydrochloride m. 189.5-90.5°; picrate m. 201°;  
phenylthiourea derivative m. 141.5-2.0°; β-C10H<sub>7</sub>CH(NH<sub>2</sub>)(CH<sub>2</sub>)<sub>5</sub>Me,  
b0.01 168-70°, n20D 1.5700; hydrochloride m. 199-200°;  
picrate m. 208-8.5°; phenylthiourea derivative m. 114-15°;  
β-C10H<sub>11</sub>CH(NH<sub>2</sub>)(CH<sub>2</sub>)<sub>5</sub>Me, b0.02 136-8°, n20D 1.5720;  
hydrochloride m. 205.5-6.5°; styphnate m. 201-2°. I (75 g.)  
added at 10° to 72 g. α-C10H<sub>7</sub>OH and 70 g. ZnCl<sub>2</sub> in 300 cc.  
C<sub>6</sub>H<sub>5</sub>NO<sub>2</sub>, the mixture kept 48 hrs. at room temperature, hydrolyzed with HCl-ice,  
the C<sub>6</sub>H<sub>5</sub>NO<sub>2</sub> layer decanted, distilled in vacuo, the residue extracted with 10%  
KOH solution, the fraction insol. in alkali washed with H<sub>2</sub>O, and the product  
crystallized from 95% EtOH gave 1-HOC10H<sub>6</sub>CO(CH<sub>2</sub>)<sub>5</sub>Me-2 (VI), m. 52°  
(MeOH); 2,4-dinitrophenylhydrazones m. 216°. Also prepared were  
2-HOC10H<sub>6</sub>CO(CH<sub>2</sub>)<sub>5</sub>Me-1 (VII); C10H<sub>7</sub>OCO(CH<sub>2</sub>)<sub>5</sub>Me-1 (from α-C10H<sub>7</sub>OH and  
I in C<sub>6</sub>H<sub>5</sub>pyridine), b0.02 143-6°; C10H<sub>7</sub>OCO(CH<sub>2</sub>)<sub>5</sub>Me-2 (VIII), b0.02  
157-65°, m. 38°. VII (by Fries rearrangement of VIII) b0.02  
150-5°, n20D 1.5922; 2,4-dinitrophenylhydrazones could not be  
obtained. AlCl<sub>3</sub> (75 g.) added to 75 g. I and 79 g. 1-C10H<sub>7</sub>OMe in 400 cc.  
PhNO<sub>2</sub> with vigorous stirring at 0°, the complex hydrolyzed,  
neutralized, PhNO<sub>2</sub> distilled, and the raw product distilled in vacuo gave  
1-MeOC10H<sub>6</sub>CO(CH<sub>2</sub>)<sub>5</sub>Me-4 (IX), b0.02-0.05 200-5°, m. 43°  
(MeOH); 2,4-dinitrophenylhydrazones m. 125.5°. IX demethylated according to  
Buu-Hoi (CA 44, 4444f) at 200° with pyridine-HCl gave  
1-HOC10H<sub>6</sub>CO(CH<sub>2</sub>)<sub>5</sub>Me-4, m. 116°; 2,4-dinitrophenylhydrazones m.  
202°. 2-MeOC10H<sub>6</sub>CO(CH<sub>2</sub>)<sub>5</sub>Me-6 m. 70°, b0.02-0.05  
170-80°; 2,4-dinitrophenylhydrazones m. 189°.  
2-HOC10H<sub>6</sub>CO(CH<sub>2</sub>)<sub>5</sub>Me-6 m. 135-5.5°; 2,4-dinitrophenyl-hydrazones m.  
251°.
- IT 860221-29-0P, Styphnic acid, compound with  
α-hexyl-5,6,7,8-tetrahydro-2-naphthalenemethylamine  
RL: PREP (Preparation)  
(preparation of)

10/513699

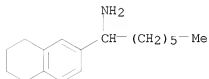
RN 860221-29-0 CAPLUS

CN 2-Naphthalenemethanamine,  $\alpha$ -hexyl-5,6,7,8-tetrahydro-, compd. with  
2,4,6-trinitro-1,3-benzenediol (1:1) (CA INDEX NAME)

CM 1

CRN 101744-83-6

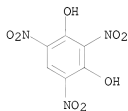
CMF C17 H27 N



CM 2

CRN 82-71-3

CMF C6 H3 N3 O8



OS.CITING REF COUNT: 1

THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD  
(1 CITINGS)

L5 ANSWER 21 OF 47 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1960:50301 CAPLUS

DOCUMENT NUMBER: 54:50301

ORIGINAL REFERENCE NO.: 54:9854c-g

TITLE: Possible antituberculous compounds. VII. Preparation of 5,6,7,8-tetrahydro-1( and 2)-naphthylamidines  
 AUTHOR(S): Misra, Vinay S.; Husain, Md. Imtiaz  
 CORPORATE SOURCE: Univ. Lucknow  
 SOURCE: Journal of the Indian Chemical Society (1959), (36), 803-6  
 CODEN: JICSAH; ISSN: 0019-4522

DOCUMENT TYPE: Journal

LANGUAGE: Unavailable

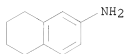
- AB cf. C.A. 50, 15476g. The observation of Oxley and Peak (cf. Charlton, et al., C.A. 46, 2005a) that N-(1-naphthyl)benzamidinium (I) had much greater antitubercular activity than  $\alpha$ -naphthylamine (II) led M. and H. to prepare the title compds. whose surface area and lipid solubility were greater than those of I. II (10 g.) in 112 g. boiling amyl alc. was added in a continuous stream to 8 g. Na, the mixture heated on a steam bath until all the Na had disappeared, the product poured into water, the upper layer separated, the bases converted into HCl salts, dissolved in hot water, treated with excess NaOH, and the organic layer washed and distilled to give 4.5 g. 5,6,7,8-tetrahydro-1-naphthylamine (III), b2-3 135°; Ac derivative m. 158° (water).  $\beta$ -Naphthylamine (10 g.) was similarly reduced to 4 g. 5,6,7,8-tetrahydro-2-naphthylamine (IV), b2 160°. A stirred solution of 4.0 g. III in 150 cc. dry Et2O was treated dropwise with 5 g. PhSO3H in MeOH, the product filtered off, and crystallized from hot water to give 7.5 g. 5,6,7,8-tetrahydro-1-naphthyl-ammonium benzenesulfonate (V), m. above 275°, dark brown amorphous powder. IV (4.0 g.) and 5 g. PhSO3H gave 3.0 g. 5,6,7,8-tetrahydro-2-naphthylammonium benzenesulfonate, m. 194°, light brown amorphous powder. The sulfonates were fused at 230-5° with the required nitriles to give the desired amidinium benzenesulfonates; subsequent treatment with base gave the free amidines (aryl group, % yield, m.p., color, m.p. of benzenesulfonate, its % yield, and color given): Ph, 86, 95-6°, brown, 235-6°, 23, yellow; o-tolyl, 79, 246°, white, 260-1°, 22, brown; m-tolyl, 6, 180°, dark brown, - (would not crystallize), -, -; p-tolyl, 6, above 280°, brown, - (would not crystallize), -, -;  $\alpha$ -naphthyl, 77, 210°, black, 270°, 26, black. The corresponding 2-amidines (same data given): o-tolyl, 90, 115°, brown, above 285°, 10%, brown; m-tolyl, 46, above 290°, light green, - (would not crystallize), -, -; p-tolyl, 80, 150°, dark brown, above 270°, 28, brown;  $\alpha$ -naphthyl, 64, above 280°, black, above 270°, 48, black; Ph, -, 285°, 12, white.
- IT 853648-64-3P, 2-Naphthylamine, 5,6,7,8-tetrahydro-, compound with benzenesulfonic acid  
 RL: PREP (Preparation)  
 (preparation of)
- RN 853648-64-3 CAPLUS
- CN 2-Naphthalenamine, 5,6,7,8-tetrahydro-, benzenesulfonate (1:1) (CA INDEX NAME)

CM 1

CRN 2217-43-8

CMF C10 H13 N

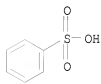
10/513699



CM 2

CRN 98-11-3

CMF C6 H6 O3 S



L5 ANSWER 22 OF 47 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1960:45099 CAPLUS

DOCUMENT NUMBER: 54:45099

ORIGINAL REFERENCE NO.: 54:8954e-h

TITLE: Liberation of bradykinin from plasma by treatment with peptone or by boiling with hydrochloric acid  
 AUTHOR(S): Rocha e Silva, M.; Holzhacker, Elisabeth L.  
 CORPORATE SOURCE: Inst. biol., Sao Paulo, Brazil  
 SOURCE: Archives Internationales de Pharmacodynamie et de Therapie (1959), 122, 168-79  
 CODEN: AIPTAK; ISSN: 0003-9780

DOCUMENT TYPE:

LANGUAGE: English

AB Different fractions of peptone (proteose-peptone, Difco) were obtained by chromatography on the ion exchange resin Amberlite IRC-50. A fraction eluted at pH 7.8 (1.5 g. from about 30 g. of peptone) showed the greatest activity in releasing bradykinin (I) when incubated with heparinized rat plasma. It was also the most active fraction as a histamine releaser. Plasma from rats, when heated 1-10 min. with 0.1N HCl, developed full I activity upon neutralization and incubation at room temperature or at 37°. This spontaneous release of I was enzymic in nature and was inhibited by soy-bean trypsin inhibitor. The material released by HCl or by the peptone fraction was identified as I by parallel assays on the guinea pig ileum, on the uterus of the rat (the most sensitive method), or by effects of the blood pressure of rabbits. Since the release of I from denatured plasma by trypsin and by snake venom is parallel to the resp. esterase activities of these agents against benzoyl-L-arginine methyl ester, the release of I might provide a very sensitive indication of activation of an enzyme in plasma displaying a similar activity. 18 references.

IT 856631-76-0P, Benzamidine, N-[5,6,7,8-tetrahydro-2-naphthyl]-, compds. with benzenesulfonic acid  
 RL: PREP (Preparation)

(preparation of)

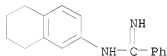
RN 856631-76-0 CAPLUS

CN Benzenecarboximidamide, N-(5,6,7,8-tetrahydro-2-naphthalenyl)-, benzenesulfonate (1:1) (CA INDEX NAME)

CM 1

CRN 109249-02-7

CMF C17 H18 N2

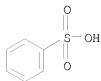


CM 2

CRN 98-11-3

CMF C6 H6 O3 S

10/513699



<12/04/2007>

Erich Leese

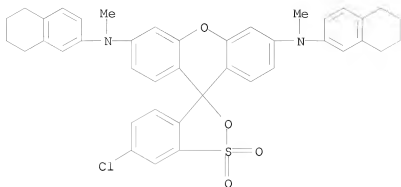


L5 ANSWER 23 OF 47 CAPLUS COPYRIGHT 2009 ACS on STN  
 ACCESSION NUMBER: 1956:75767 CAPLUS  
 DOCUMENT NUMBER: 50:75767  
 ORIGINAL REFERENCE NO.: 50:14237f-i,14238a-b  
 TITLE: Triphenylmethane dyes  
 PATENT ASSIGNEE(S): Farberke Hoechst AG vorm. Meister Lucius & Bruning  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Unavailable  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	GB 744972		19560215	GB 1951-17267	19510720 <--
AB	<p>3,6-Diamino-9-(2-sulfophenyl)xanthene dyes, whose amino groups can be substituted by aliphatic or aromatic radicals or whose N may be a member of a heterocyclic ring, are prepared To improve their solubility, the dyes can be further sulfonated. They dye wool and silk in red to blue tints of very good fastness to light and alkalis.</p> <p>3,6-Dihydroxy-9-(2-sulfophenyl)xanthene (I) 10 is heated with POC13, the excess POC13 is removed by distillation, and the resulting yellow 3,6-dichloro-9-(2-sulfophenyl)xanthene (II) is treated with PhNH2 30 parts several hrs. at 100°. The excess PhNH2 is extracted from the melt with HCl and the dye isolated. After drying it is sulfonated with 95% H2SO4 until it dissolves in dilute Na2CO3, and isolated by pouring into H2O, filtering, dissolving in dilute Na2CO3, and salting out. It dyes a clear violet. The following shades are obtained by replacing PhNH2: red-violet with o-toluidine (III); bright-red with 2,6-Me2C6H3NH2, 2-MeC6H4NHMe, 2-MeC6H4NHMe, 2,5-Me2C6H4NHMe, (HOCH2CH2)2NH, or piperidine; reddish blue with 4-EtOC6H4NH2 and a still bluer shade with 2-naphthylamine (IV); violet with 2-MaO3SC6H4OC6H4NH2-4; reddish violet with 2-HO3SC6H4NH2 in glycol; red-violet with 3-ClC6H4NH2; clear violet with 2-MeOC6H4NH2, 2-EtOC6H4NH2, 2,4-H2N(Cl)C6H4OC6H5(V), or 1-naphthylamine (VI); and navy blue by replacing PhNH2 with 2,3-HO(HOOC)C6H3NH2 or 2,3,5-HO(HOOC)(HO3S)C6H2NH2 in glycol but without after-sulfonation. I 10 is heated to 130° with 2,4-Me2C6H3NH2 50 in the presence of POC13 10 parts, heated till the color no longer deepens, and the dye is isolated by dissolving out the amine. It dyes wool violet. Similar dyes are also obtained by using 3,6-dichloro-9-(2,4-disulfophenyl)xanthene (VII) instead of II. VII gives with III, after sulfonation, a soluble clear red-violet dye, with m-toluidine a navy-blue dye, and similar violet shades with VI, various xylydines, chloro- and bromoanilines. A greenish dye is made from VII with IV or 2,3-HO(HOOC)C6H3NH2, blue to violet shades with V, 3,4-HOOC(HO)C6H3NH2 or 2,5,4-Me2(HO3S)C6H2NH2, red-violet to blue-violet shades with 2,4,5-Me2(HO3S)C6H2NH2 or 2,4,6-Me2(HO3S)C6H2NH2, a gray-blue with 4-H2NC6H4NHC6H5, and a red with 4(or 5)-chloro-2-aminobenzotrifluoride. Similar dyes are also obtained by the same process from II substituted in the benzene ring by a p-ethoxy, a p-chloro-, a 4-hydroxy, and a 3-carboxylic acid group.</p>				
IT	<p>853780-16-2P, Benzenesulfonic acid, 5-chloro-2-[9-hydroxy-3,6-bis(methyl(5,6,7,8-tetrahydro-2-naphthyl)amino)-9-xanthenyl]-, γ-sultone          RL: PREP (Preparation)          (preparation of)</p>				
RN	853780-16-2 CAPLUS				
CN	<p>Spiro[3H-2,1-benzoxathiole-3,9'-[9H]xanthene]-3',6'-diamine, 6-chloro-N3',N6'-dimethyl-N3',N6'-bis(5,6,7,8-tetrahydro-2-naphthalenyl)-,</p>				

10/513699

1,1-dioxide (CA INDEX NAME)



L5 ANSWER 24 OF 47 CAPLUS COPYRIGHT 2009 ACS on STN  
 ACCESSION NUMBER: 1956:40401 CAPLUS  
 DOCUMENT NUMBER: 50:40401  
 ORIGINAL REFERENCE NO.: 50:7803c-f  
 TITLE: Chloromethylation of tetralin  
 AUTHOR(S): Vanags, G.; Gudriniece, E.  
 SOURCE: Latvijas PSR Zinatnu Akademijas Vestis (1955), (No. 5 (Whole No. 94)), 119-24  
 CODEN: LZAVAL; ISSN: 0132-6422

DOCUMENT TYPE: Journal  
 LANGUAGE: Russian

AB Tetralin (66 mg.), 28 g. (CH<sub>2</sub>O)<sub>n</sub>, 65 ml. glacial AcOH, 33 g. crystalline H<sub>3</sub>PO<sub>4</sub>, and 91 ml. concentration HCl at 85-90° stirred 4 hrs. gave 66% 1,2,3,4-tetrahydro-6-chloromethylnaphthalene (I). With excess II, 10% 5,8-bis(chloromethyl)-1,2,3,4-tetrahydronaphthalene was obtained in addition to I. The 6-piperidinomethyl analog (II of I) was prepared by treating I in Et<sub>2</sub>O with piperidine at room temperature II decomposed on distillation

Bubbling dry HCl through II in Et<sub>2</sub>O gave II.HCl, very hygroscopic. II picrate, m. 150°. 1-(1,2,3,4-Tetrahydro-6-naphthylmethyl)pyridinium chloride, m. 115°, was prepared (88.5% yield) from 7.2 g. I, 20 ml. absolute Et<sub>2</sub>O, and dry pyridine. H<sub>2</sub>NC(SR):NH.HCl (R = 1,2,3,4-tetrahydro-6-naphthylmethyl), m. 212°, was prepared (96% yield) by heating 7.2 g. I with 6 g. thiourea. RCO<sub>2</sub>H was prepared (42% yield) refluxing crude I with KCN in H<sub>2</sub>O, and hydrolyzing the nitrile with aqueous NaOH; the hydrolysis was aided, and formation of resinous products was minimized by adding small amts. of 3% H<sub>2</sub>O<sub>2</sub> at intervals. RCONHPh, m. 112°, was obtained by method similar to that described (C.A. 50, 271f).

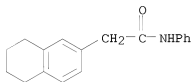
IT 860396-36-7P, 2-Naphthaleneacetanilide, 5,6,7,8-tetrahydro-

RL: PREP (Preparation)

(preparation of)

RN 860396-36-7 CAPLUS

CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-phenyl- (CA INDEX NAME)



L5 ANSWER 25 OF 47 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1956:10063 CAPLUS

DOCUMENT NUMBER: 50:10063

ORIGINAL REFERENCE NO.: 50:2116a-d

TITLE: 1-Aryl derivatives of  
2-nitro-1-(5,6,7,8-tetrahydro-2-naphthyl)alkanes and  
their use as insecticides

INVENTOR(S): Johnson, Arnold N.

PATENT ASSIGNEE(S): Commercial Solvents Corp.

DOCUMENT TYPE: Patent

LANGUAGE: Unavailable

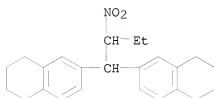
FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	US 2719810		19551004	US	<--
AB	Compds. of the type XCH(Ar)CH(NO2)R, in which X is				
	5,6,7,8-tetrahydro-2-naphthyl, R is Me or Et, and Ar is a substituted Ph				
	group, were prepared, emulsified in xylene, and tested for insecticidal				
	properties by spraying on flies and on beans which were then fed to the				
	Mexican bean beetle, the Southern army worm, and the pea aphid. In a				
of	typical preparation, 41 g. 2-nitro-1-p-tolyl-1-propanol was added to a mixture				
	102 g. 1,2,3,4-tetrahydronaphthalene and 100 ml. concentrated H2SO4 in 20 min.				
	at 20-5°. The mixture was agitated for 1 hr. The top layer was				
	steam distilled to yield 49.5 g. 2-nitro-1-p-tolyl-1-(5,6,7,8-tetrahydro-2-				
	naphthyl)propane, a thick oily product. Six g. of this product recrystd.				
	from petroleum hexane, then from EtOH to give 0.7 g. of a white solid, m.				
	114-15°. In a similar manner, the following compds. were prepared				
	and tested: 2-nitro-1-(p-chlorophenyl)-1-(5,6,7,8-tetrahydro-2-				
	naphthyl)butane, 2-nitro-1-(p-chlorophenyl)-1-(5,6,7,8-tetrahydro-2-				
	naphthyl)propane, 2-nitro-1-p-tolyl-1-(5,6,7,8-tetrahydro-2-				
	naphthyl)butane, 2-nitro-1-(p-methoxyphenyl)-1-(5,6,7,8-tetrahydro-2-				
	naphthyl)butane, 2-nitro-1-(3,4-methylenedioxyphenyl)-1-(5,6,7,8-				
	tetrahydro-2-naphthyl)butane, 2-nitro-1,1-bis(5,6,7,8-tetrahydro-2-				
	naphthyl)butane, 2-nitro-1-(p-ethylphenyl)-1-(5,6,7,8-tetrahydro-2-				
	naphthyl)butane, 2-nitro-1-(p-isopropylphenyl)-1-(5,6,7,8-tetrahydro-2-				
	naphthyl)butane, 2-nitro-1-(diethylphenyl)-1-(5,6,7,8-tetrahydro-2-				
	naphthyl)butane, and 2-nitro-1-xylyl-1-(5,6,7,8-tetrahydro-2-				
	naphthyl)butane.				
IT	854459-68-0, Butane, 2-nitro-1,1-bis(5,6,7,8-tetrahydro-2-				
	naphthyl)-	855952-07-7, Anisole,			
	p-[2-nitro-1-(5,6,7,8-tetrahydro-2-naphthyl)butyl]-	858199-39-0			
	, Naphthalene, 1,2,3,4-tetrahydro-6-[p-isopropyl-α-(1-				
	nitropropyl)benzyl]-	858199-45-8, Naphthalene,			
	1,2,3,4-tetrahydro-6-[p-methyl-α-(1-nitropropyl)benzyl]-				
	858458-47-6, Naphthalene, 6-[p-ethyl-α-(1-				
	nitropropyl)benzyl]-1,2,3,4-tetrahydro-	858459-74-2,			
	Naphthalene, 1,2,3,4-tetrahydro-6-[α-(1-nitropropyl)piperonyl]-				
	858459-78-6, Naphthalene, 1,2,3,4-tetrahydro-6-(p-methyl-α-1-				
	nitroethylbenzyl)-	860366-28-5, Naphthalene,			
	6-(p-chloro-α-1-nitroethylbenzyl)-1,2,3,4-tetrahydro-				
	860395-78-4, Naphthalene, 6-[p-chloro-α-(1-				
	nitropropyl)benzyl]-1,2,3,4-tetrahydro-				
	(insecticide)				
RN	854459-68-0 CAPLUS				

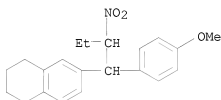
10/513699

CN Butane, 2-nitro-1,1-bis(5,6,7,8-tetrahydro-2-naphthyl)- (5CI) (CA INDEX NAME)



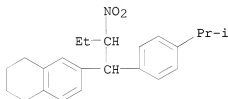
RN 855952-07-7 CAPLUS

CN Naphthalene, 1,2,3,4-tetrahydro-6-[1-(4-methoxyphenyl)-2-nitrobutyl]- (CA INDEX NAME)



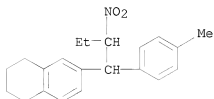
RN 858199-39-0 CAPLUS

CN Naphthalene, 1,2,3,4-tetrahydro-6-[1-[4-(1-methylethyl)phenyl]-2-nitrobutyl]- (CA INDEX NAME)



RN 858199-45-8 CAPLUS

CN Naphthalene, 1,2,3,4-tetrahydro-6-[1-(4-methylphenyl)-2-nitrobutyl]- (CA INDEX NAME)



RN 858458-47-6 CAPLUS

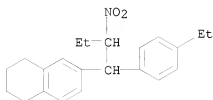
CN Naphthalene, 6-[1-(4-ethylphenyl)-2-nitrobutyl]-1,2,3,4-tetrahydro- (CA INDEX NAME)

<12/04/2007>

Erich Leese

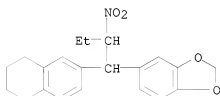
10/513699

INDEX NAME)



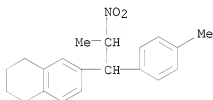
RN 858459-74-2 CAPLUS

CN 1,3-Benzodioxole, 5-[2-nitro-1-(5,6,7,8-tetrahydro-2-naphthalenyl)butyl]-  
(CA INDEX NAME)



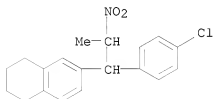
RN 858459-78-6 CAPLUS

CN Naphthalene, 1,2,3,4-tetrahydro-6-[1-(4-methylphenyl)-2-nitropropyl]- (CA  
INDEX NAME)



RN 860366-28-5 CAPLUS

CN Naphthalene, 6-[1-(4-chlorophenyl)-2-nitropropyl]-1,2,3,4-tetrahydro- (CA  
INDEX NAME)



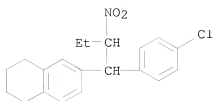
RN 860395-78-4 CAPLUS

CN Naphthalene, 6-[1-(4-chlorophenyl)-2-nitrobutyl]-1,2,3,4-tetrahydro- (CA  
INDEX NAME)

<12/04/2007>

Erich Leese

10/513699



L5 ANSWER 26 OF 47 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1955:56624 CAPLUS

DOCUMENT NUMBER: 49:56624

ORIGINAL REFERENCE NO.: 49:10906e-i,10907a-d

TITLE: Use of 1,3-dichloro-2-butene for the synthesis of some ketone derivatives of bicyclo[1.3.3]nonene and of hexahydronaphthalene

AUTHOR(S): Julia, Sylvestre A.

CORPORATE SOURCE: Ecole polytech., Paris Ve

SOURCE: Bulletin de la Societe Chimique de France ( 1954) 780-9

CODEN: BSCFAS; ISSN: 0037-8968

DOCUMENT TYPE: Journal

LANGUAGE: Unavailable

OTHER SOURCE(S): CASREACT 49:56624

AB The condensation of cyclohexanone and its derivs. with 1,3-dichloro-2-butene (I) and the subsequent cyclization of these products was studied with particular reference to steric effects and orientation. 2-Methylcyclohexanone (12 g.) and 12.5 g. I in 50 cc. C<sub>6</sub>H<sub>6</sub> agitated and cooled with ice, 2N Na amylate added slowly, the mixture kept at room temperature

for 1 hr., and then refluxed for 3 hrs. gave

2-methyl-2-(γ-chlorocrotyl)cyclohexanone (II), b<sub>14</sub> 130°, n<sub>17</sub>D

1.4941; semicarbazone, m. 153-5°; 2,4-dinitrophenylhydrazone, m.

133-5°. 1,4-Dimethylbicyclo[3.3.1]non-3-en-9-one, b<sub>19</sub>

106-35° (semicarbazone, m. 204-6°;

2,4-dinitrophenylhydrazone, m. 151-3°), was obtained by treating 5

g. of II with 10 cc. concentrated H<sub>2</sub>SO<sub>4</sub>. A small amount of

Δ<sup>1</sup>(9)-10-methyl-2-octalone was obtained on chromatographing the

mother liquor from the hydrazone on alumina. Similarly on treatment with

I, cyclohexanone gave 2-(γ-chlorocrotyl)cyclohexanone, which

cyclized to 45% Δ<sup>1</sup>(9)-2-octalone and

4-methylbicyclo[3.3.1]non-3-en-9-one, b<sub>15</sub> 110-15°; semicarbazone, m.

215-17°; 2,4-dinitrophenylhydrazone, m. 199-201°. Similarly

isophorone (III) and I gave 3,5,5-trimethyl-2-(γ-

chlorocrotyl)cyclohex-2-en-1-one, b<sub>18</sub> 159°, n<sub>15</sub>D 1.5095;

semicarbazone, 134-6°; 2,4-dinitrophenylhydrazone, m.

133-5°, which on treatment with H<sub>2</sub>SO<sub>4</sub> gave

3,5,5-trimethyl-2-(3-oxobutyl)cyclohex-2-en-1-one (IV), b<sub>0.1</sub> 102°,

n<sub>15</sub>D 1.4924; disemicarbazone, m. 199-201°;

mono-2,4-dinitrophenylhydrazone, m. 170-2°. IV on ozonization gave

3,3-dimethyl-5-oxohexanoic acid (V), the same product obtained by KMnO<sub>4</sub>

oxidation of III. Condensation of III with CH<sub>2</sub>:CHCN in the presence of Na

tert-amylate gave 3,5,5-trimethyl-2-(γ-cyanoethyl)cyclohex-2-en-1-

one (VI), b<sub>0.5</sub> 124-5°, n<sub>21</sub>D 1.4930; semicarbazone, m.

189-92°; 2,4-dinitrophenylhydrazone, m. 162-4°. VI was also

ozonized to V. VI on saponification gave the corresponding acid,

3,5,5-trimethyl-2-(γ-carboxyethyl)cyclohex-2-en-1-one (VII), m.

74-6°; semicarbazone, m. 211-13°. Condensation of III with

Me acrylate gave the Me ester of VII, b<sub>15</sub> 166-7°;

2,4-dinitrophenylhydrazone, m. 124-6°. Saponification of the ester gave a

substance m. 144-7°, probably a lactone. IV on treatment with NaOMe in

MeOH gave 5,7,7-trimethyl-2-oxo-2,3,4,6,7,8-hexahydronaphthalene (VIII),

b<sub>0.1</sub> 105°, n<sub>19</sub>D 1.5542; semicarbazone, m. 206-10°;

2,4-dinitrophenylhydrazone, m. 170-2°. VIII was hydrogenated over

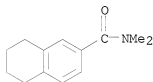
PtO<sub>2</sub> to 5,7,7-trimethyl-2-decalol, m. 133-5°, which was in turn

oxidized by the method of K. Bowden, et al. (C.A. 40, 2787.8), to the



corresponding ketone; 2,4-dinitrophenylhydrazone, m. 156-9°. Dihydroisophorone and I gave 3,5,5-trimethyl-2-( $\gamma$ -chlorocrotyl)cyclohexanone, b15 149°, n20D 1.4851 (semicarbazone, m. 136-8°; 2,4-dinitrophenylhydrazone, m. 110-12°), which on treatment with H2SO4 yielded A1(9)-5,7,7-trimethyl-2-octalone, b18 154°, n22D 1.5088 (semicarbazone, m. 205-8°; 2,4-dinitrophenylhydrazone, m. 184-5°). 3-Methyl-2-cyclohexen-1-one also condensed with I to form 3-methyl-2-( $\gamma$ -chlorocrotyl)cyclohex-2-en-1-one, b13 146°, n21D 1.5242 (semicarbazone, m. 194-7°; 2,4-dinitrophenylhydrazone, m. 123-4°), which on treatment with H2SO4 yielded 3-methyl-2-(3-oxobutyl)cyclohex-2-en-1-one (IX), b14 153-4°, n18D 1.5052. IX on refluxing with Na in MeOH gave 5-methyl-2-oxo-2,3,4,6,7,8-hexahydronaphthalene, b14 156-8°, n19D 1.5738; semicarbazone, m. 195-7°; 2,4-dinitrophenylhydrazone, m. 191-4°. 4-Carbethoxy-3-methylcyclohex-2-en-1-one and I gave 4-carbethoxy-3-methyl-2-( $\gamma$ -chlorocrotyl)cyclohex-2-en-1-one (X), b0.8 151-3°; semicarbazone, m. 142-4°; 2,4-dinitrophenylhydrazone, m. 122-3°. X was treated with H2SO4 and the neutral fraction heated with EtONa to obtain 5-methyl-2-oxo-6-carboxy-2,3,4,6,7,8-hexahydronaphthalene, m. 124-6°; 2,4-dinitrophenylhydrazone of the Me ester, m. 142-5°. (47 references.)

IT 872797-91-6P, 2-Naphthamide, 5,6,7,8-tetrahydro-N,N-dimethyl-  
 RL: PREP (Preparation)  
 (preparation of)  
 RN 872797-91-6 CAPLUS  
 CN 2-Naphthalenecarboxamide, 5,6,7,8-tetrahydro-N,N-dimethyl- (CA INDEX NAME)



L5 ANSWER 27 OF 47 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1955:56623 CAPLUS

DOCUMENT NUMBER: 49:56623

ORIGINAL REFERENCE NO.: 49:10906c-e

TITLE: Syntheses and pharmacological action of Tetralin derivatives

AUTHOR(S): Fujimura, I. Hajime; Ueshima, Takaji; Fuijisawa, Toshikazu; Sugii, Michiyasu; Yaze, Toru

CORPORATE SOURCE: Univ. Kyoto

SOURCE: Yakugaku Zasshi (1954), 74, 954-6

CODEN: YKKZAJ; ISSN: 0031-6903

DOCUMENT TYPE: Journal

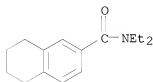
LANGUAGE: Unavailable

AB The following Tetralin derivs. are prepared: R1CH2COC1 (R1 = 5,6,7,8-tetrahydro-1-naphthyl), b9 141-2°; R2CH2COC1 (R2 = 5,6,7,8-tetrahydro-2-naphthyl), b9 144-5°. R1CH2CONR2 (R given): H, m. 135-7°; Me, b8.5 166-8°, m. 96-8°; Et, b8.5 194-6°. R1CH2CO2CH2CH2NR2.HCl (R given): Me, m. 111-13°; Et, m. 99-101°; R2CH2CONR2 (R given): H, m. 138-40°; Me, b5.5 168-70°; Et, b4.5 167-70°; R2CH2CO2CH2CH2NR2.HCl (R given): Me, m. 88-90°; Et, m. 78-80°. R2CONR2 (R given): H, m. 128-31°; Me, b6.5 163-5°; Et, b6.5 167-70°, m. 67-9°. R2CO2CH2CH2NR2.HCl (R given): Me, m. 123-6°; Et, m. 99-102°. Curarimetic, analgesic, local anesthetic, and temperature depressing actions of these products are given, although such actions are not great.

IT 856056-80-9P, 2-Naphthamide, N,N-diethyl-5,6,7,8-tetrahydro-858199-34-5P, 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N,N-dimethyl- 858459-67-3P, 2-Naphthaleneacetamide, N,N-diethyl-5,6,7,8-tetrahydro-872797-91-6P, 2-Naphthamide, 5,6,7,8-tetrahydro-N,N-dimethyl-  
RL: PREP (Preparation)  
(preparation of)

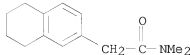
RN 856056-80-9 CAPLUS

CN 2-Naphthalenecarboxamide, N,N-diethyl-5,6,7,8-tetrahydro- (CA INDEX NAME)



RN 858199-34-5 CAPLUS

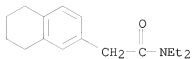
CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N,N-dimethyl- (CA INDEX NAME)



RN 858459-67-3 CAPLUS

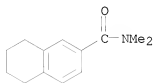
CN 2-Naphthaleneacetamide, N,N-diethyl-5,6,7,8-tetrahydro- (CA INDEX NAME)

10/513699



RN 872797-91-6 CAPLUS

CN 2-Naphthalenecarboxamide, 5,6,7,8-tetrahydro-N,N-dimethyl- (CA INDEX NAME)



L5 ANSWER 28 OF 47 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1954:61453 CAPLUS

DOCUMENT NUMBER: 48:61453

ORIGINAL REFERENCE NO.: 48:10920c-e

TITLE: Further investigation on the mitosis-poison action of dihydrostilbylamine derivatives

AUTHOR(S): Lettke, Hans; Delitzsch, Ingrid

CORPORATE SOURCE: Univ. Göttingen, Germany

SOURCE: Hoppe-Seyler's Zeitschrift fuer Physiologische Chemie (1952), 289, 220-5

CODEN: HSZPAZ; ISSN: 0018-4888

DOCUMENT TYPE: Journal

LANGUAGE: Unavailable

AB cf. C.A. 37, 5784.8(1943). Phenylnitromethane and 3,4-ethylenedioxybenzaldehyde are condensed in the presence of  $\text{CH}_3\text{NH}_2\text{-HCl}$  to give 3',4'-ethylenedioxy- $\alpha$ -nitrostilbene, m.p. 142-3°; this compound is reduced with Zn dust and AcOH and subsequently Na-Hg to give the corresponding dihydrostilbylamine-HCl, m.p. 225-8°. Its activity against in vitro fibroblasts (0.75  $\gamma$ /ml.) is 4 times that of the corresponding dioxymethylene compound (3  $\gamma$ /ml.). N-Methylformanilide and  $\text{POCl}_3$  are treated with catechol tetramethylene ether; the aldehyde obtained by this method is condensed with phenylnitromethane and reduced to give 3',4'-tetramethylenedioxydihydrostilbylamine. This compound shows no mitosis-poison activity. The 4'-methoxy derivative shows activity at 4-5  $\gamma$ /ml., 4'-methylstilbylamine at 10  $\gamma$ /ml., 3',4'-trimethylenedioxydihydrostilbylamine at 10  $\gamma$ /ml. The two latter compds. are prepared from the formyl derivs. of hydrindene and Tetralin, resp. No mitosis-poison effect was shown by the corresponding aromatic compds. made from 1- and 2-naphthaldehydes. This is an opposite trend as observed for the carcinogenic properties of benzopyrene, which is very active compared with its tetrahydro derivative

IT 855928-78-8P, Acetamide, N-[ $\alpha$ -(5,6,7,8-tetrahydro-2-naphthyl)methyl]benzyl]-

858459-72-0P, Naphthalene,

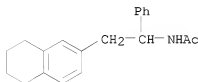
1,2,3,4-tetrahydro-6-( $\beta$ -nitrostyryl)-

RL: PREP (Preparation)

(preparation of)

RN 855928-78-8 CAPLUS

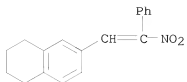
CN Acetamide, N-[1-phenyl-2-(5,6,7,8-tetrahydro-2-naphthalenyl)ethyl]- (CA INDEX NAME)



RN 858459-72-0 CAPLUS

CN Naphthalene, 1,2,3,4-tetrahydro-6-(2-nitro-2-phenylethenyl)- (CA INDEX NAME)

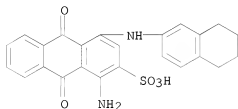
10/513699



L5 ANSWER 29 OF 47 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1954:48257 CAPLUS  
 DOCUMENT NUMBER: 48:48257  
 ORIGINAL REFERENCE NO.: 48:85511,8552a-b  
 TITLE: Acid fulling dyes of the anthraquinone series  
 PATENT ASSIGNEE(S): Sandoz Ltd.  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Unavailable  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
	GB 699781		19531118	GB 1951-19700	19510821 <--
AB	Compds. having the formula 1,2,4-H <sub>2</sub> N(MO <sub>3</sub> S)(RHN)C <sub>14</sub> H <sub>5</sub> O <sub>2</sub> (I), where M is H, NH <sub>4</sub> , Li, Na, or K and R is substituted or unsubstituted tetrahydronaphthyl or C <sub>6</sub> H <sub>4</sub> NHCO <sub>2</sub> Ph, are brominated to give acid fulling dyes. Thus, Na 1-amino-4-(1,2,3,4-tetrahydro-5-naphthylamino)-2-anthraquinonesulfonate 47 (obtained by condensing the Na 1-amino-4-bromo-2-anthraquinonesulfonate in H <sub>2</sub> O with Cu as a catalyst with 5-amino-1,2,3,4-tetrahydronaphthalene) is dissolved in 90% H <sub>2</sub> SO <sub>4</sub> 1500, treated with Br 26, and the mixture stirred for 6 hrs. at room temperature and then 3 hrs. at 60° to give a brominated dye (II). I dyes wool and other animal fibers as well as nylon with a red-tinged blue tint. Other dyes are similarly obtained by brominating I, where R = 1,2,3,4-tetrahydro-6-naphthyl, p-PhCONHC <sub>6</sub> H <sub>4</sub> , p-(p-NH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CONH)C <sub>6</sub> H <sub>4</sub> , p-[2,5-Cl(AcNH)C <sub>6</sub> H <sub>3</sub> CONH]C <sub>6</sub> H <sub>4</sub> , p-[3,4-Me(H <sub>2</sub> N)C <sub>6</sub> H <sub>3</sub> CONH]C <sub>6</sub> H <sub>4</sub> , and p-(p-FC <sub>6</sub> H <sub>4</sub> CONH)C <sub>6</sub> H <sub>4</sub> .				
IT	859335-68-5, 2-Anthraquinonesulfonic acid, 1-amino-4-[5,6,7,8-tetrahydro-2-naphthylamino]- (and bromine derivs.)				
RN	859335-68-5 CAPLUS				
CN	2-Anthracenesulfonic acid, 1-amino-9,10-dihydro-9,10-dioxo-4-[(5,6,7,8-tetrahydro-2-naphthalenyl)amino]- (CA INDEX NAME)				



L5 ANSWER 30 OF 47 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1952:54594 CAPLUS

DOCUMENT NUMBER: 46:54594

ORIGINAL REFERENCE NO.: 46:9092i,9093a-i

TITLE: Carcinogenic nitrogen compounds. IX. The use of aminotetralins for the synthesis of dibenzacridines and related compounds

AUTHOR(S): Buu-Hoi, Ng. Ph.; Jacquignon, Pierre

CORPORATE SOURCE: Univ. Paris

SOURCE: Journal of the Chemical Society (1951) 2964-8

CODEN: JCSOA9; ISSN: 0368-1769

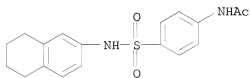
DOCUMENT TYPE: Journal

LANGUAGE: Unavailable

AB 5,6,7,8-Tetrahydro-2-naphthylamine (I) (preparation given) yields a p-toluenesulfonate, m. 137°, and a N-(N-acetylsulfanilyl) derivative, m. 216°. 6-Acetyl-1,2,3,4-tetrahydronaphthalene (100 g.) on Huang-Minlon reduction gives 70 g. 6-ethyl-1,2,3,4-tetrahydronaphthalene (II), b. 239°; with AcCl and AlCl<sub>3</sub> in CS<sub>2</sub> II yields 6-acetyl-7-ethyl-1,2,3,4-tetrahydronaphthalene, pale yellow, b17, 188°; semicarbazone, m. 134-5°; thiosemicarbazone, m. 123°; oxime (III), m. 128°. III (33 g.), and 30 g. PC15 in 80 cc. ether give 32.5 g. of the N-Ac derivative, m. 166°, of 3-ethyl-5,6,7,8-tetrahydro-2-naphthylamine (IV), pale yellow, b16 175°; HCl salt, m. 147°; p-toluenesulfonate, m. 130°; N-(N-acetylsulfanilyl) derivative, m. 201°. I (5 g.), 5 g. 1-C10H7OH, and 0.75 g. (HCHO)<sub>3</sub> give 2 g. 1'',2'',3'',4''-tetrahydro-1,2,7,8-dibenzacridine (V), pale yellow, m. 118° [picrate, orange-red, m. 257° (decomposition)]; 0.5 g. V and 0.3 g. Se, heated 3 h. at 350°, give 1,2,7,8-dibenzacridine, pale yellow, m. 129° [picrate, brick-red, m. 266° (decomposition)]; 2-C10H7OH gives 4 g. 1'',2'',3'',4''-tetrahydro-2,3,6,7-dibenzacridine (VI), pale yellow, m. 145°. 6,2-(tert-Bu)C10H6OH (2.2 g.) gives about 3 g. of the 3'-tert-Bu derivative of VI, pale yellow, m. 128° (picrate, orange, decompose above 231°). I (7.5 g.), 12.5 g. 1-C10H7OH, and 0.1 g. iodine, heated 5 h. at 240-5°, give 12 g. N-(5,6,7,8-tetrahydro-2-naphthyl)-1-naphthylamine (VII), yellow, b16 285-90° and 2-C10H7OH yields the 2-isomer (VIII), b16 304-5°, m. 96°. VII (2 g.), 2 g. Ac<sub>2</sub>O, and 2 g. ZnCl<sub>2</sub>, heated 6 h. at 180-90°, and the product treated with hot aqueous NaOH and extracted with PhMe, give 1.5 g. 1'',2'',3'',4''-tetrahydro-5-methyl-1,2,7,8-dibenzacridine, pale yellow, m. 130° (picrate, orange-yellow, m. 251°); (EtCO)<sub>2</sub>O gives the 5-Et homolog, yellow, m. 114° (picrate, orange-yellow, m. 223°). VIII (5 g.), Ac<sub>2</sub>O, and ZnCl<sub>2</sub> give 3 g. 1'',2'',3'',4''-tetrahydro-5-methyl-2,3,6,7-dibenzacridine, pale yellow, m. 166° (picrate, brownish red, m. 272-3°); 5-Et homolog, pale yellow, m. 171° (picrate, bright red, m. 253°). VII (4 g.) and 2 g. AsCl<sub>3</sub> in 20 cc. o-C<sub>6</sub>H<sub>4</sub>Cl<sub>2</sub>, refluxed 2 h., give 3.7 g. 10-chloro-1'',2'',3'',4'',5,10-hexahydro-2,3,6,7-dibenzophenarsazine, orange-yellow, m. 264°; with MeMgI this yields 1'',2'',3'',4'',5,10-hexahydro-10-methyl-2,3,6,7-dibenzophenarsazine, m. 226°; 10-Et homolog, m. 157°. VIII (4 g.) yields 3.7 g. 1'',2'',3'',4'',5,10-hexahydro-2,3,6,7-dibenzophenarsazine, orange yellow, m. 260°; the 10-M derivative, m. 200°, and the 10-Et homolog, m. 146°. IV (4 g.), 4 g. 1-C10H7OH, and 0.75 g. (HCHO)<sub>3</sub> give 9-ethyl-1'',2'',3'',4''-tetrahydro-1,2,6,7-dibenzacridine, pale greenish yellow, m. 132° (picrate, orange-red, m. 173°); heated with

Se (3 h. at 350°), this yields 9-ethyl-1,2:6,7-dibenzacridine, pale yellow, m. 110° (picrate, light orange, m. 256°). IV and 2-ClOH7OH with (HCHO)3 give 1-ethyl-1',2',3',4'-tetrahydro-3,4:6,7-dibenzacridine (IX), yellow, m. 140° (picrate, orange, m. 298°); 0.5 g. IX and 0.3 g. Se give 0.3 g. 1-ethyl-3,4:6,7-dibenzacridine, pale yellow, m. 158° (picrate, yellow, m. 276°). 6,2-(tert-Bu)ClOH6OH, IV, and (HCHO)3 give 3''-tert-butyl-1',2',3',4'-tetrahydro(3,4:6,7)dibenzacridine, yellow, m. 154° (picrate, orange yellow, m. 257-8°). I (5 g.), 5 g. Ac2CH2, and 3 drops AcOH, heated 16 h. at 170-80° give 5 g. 2,5-dimethyl-1-(5,6,7,8-tetrahydro-2-naphthyl)pyrrole, pale yellow, b16 200-2°, nD21.5 1.5790; IV yields 5 g. of the 1-(3-ethyl-5,6,7,8-tetrahydro-2-naphthyl) homolog, pale yellow, b17, 215-16°. IV (2 g.) and 2 g. Ac2CH2, refluxed 2 h., and the cold solution treated with 12 cc. H2SO4 and heated 1 h. on the water bath, give 1.8 g. 8-ethyl-1',2',3',4'-tetrahydro-2,4-dimethyl-5,6-benzoquinoline, pale yellow, b17, 214-16°, nD21.5 1.6125 (picrate, yellow, m. 223-4°). 5,6,7,8-Tetrahydro-2-naphthylhydrazine-HCl (1 g.), 1 g. 1-indanone, and 1 g. AcONa in 20 cc. EtOH, refluxed 1 h. and the crude hydrazone heated a few sec. with HCl in AcOH, give 1 g. 1'',2'',3'',4''-tetrahydro-5,6-benzindeno(3',2':2,3)indole, m. 297°; 1 g. 3,4-dihydro-1(2H)-naphthalenone yields 1.2 g. 1'',2'',3'',4'',4''-hexahydro-1,2:6,7-dibenzocarbazole, m. 190° (picrate, brown-violet, m. 173°); 1 g. 1-oxo-1,2,3,4,5,6,7,8-octahydroanthracene gives 1.5 g. 1'',2'',3'',3'',4,4'',5',6',7',8'-decahydro-6,7-benzonaphtho(2',3':1,2)carbazole, m. 208° (picrate, deep violet, m. 203°).

IT 857552-84-2P, Acetanilide,  
4'-[(5,6,7,8-tetrahydro-2-naphthyl)sulfamoyl]-  
RL: PREP (Preparation)  
(preparation of)  
RN 857552-84-2 CAPLUS  
CN Acetamide, N-[4-[(5,6,7,8-tetrahydro-2-naphthalenyl)amino]sulfonylphenyl]- (CA INDEX NAME)



OS.CITING REF COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD  
(1 CITINGS)



L5 ANSWER 31 OF 47 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1950:10099 CAPLUS

DOCUMENT NUMBER: 44:10099

ORIGINAL REFERENCE NO.: 44:1981i,1982a-i,1983a-e

TITLE: Orienting phenomena in the substitution on aromatic

bicyclic nuclei. II. Combe's quinoline synthesis

AUTHOR(S): Huisgen, Rolf

SOURCE: Justus Liebig's Annalen der Chemie (1949),

564, 16-32

CODEN: JLACBF; ISSN: 0075-4617

DOCUMENT TYPE: Journal

LANGUAGE: Unavailable

OTHER SOURCE(S): CASREACT 44:10099

GI For diagram(s), see printed CA Issue.

AB cf. C.A. 42, 6783i. When Combe's synthesis [Compt. rend. 106, 142, 1536

(1888)] was applied to 2-ClOH7NH2 (I) by Johnson and Mathews (C.A. 38,

1505.6), only linear cyclization was effected, which is an exception to

the usually observed angular cyclization reaction. The structure of the

side chain in position 2 on the ClOH8 nucleus is evidently important, and

the usually accepted -N:CRCH2COR appears less satisfactory than does the

"enamine" structure, -NHCOR, which is adopted by H. Conditions for

forming nonannellated products and the theory underlying linear ring

closure are discussed at length. 2-(Ac.CH:CMenH)ClOH7 (II), m.

99°, was prepared by heating I with Ac2CH2 (III). On oxidation, II

gave the Ac derivative of I, m. 132-3°, and, when heated at 290°

in paraffin oil, followed by extraction with MeOH, evaporation, extraction

with C6H6, and

acidification, gave I.HCl. At 0° 1 g. II and 6 cc. concentrated H2SO4

gave 2,4-dimethylbenzo[g]quinoline (IV), but with H3PO4 at 70°,

followed by extraction with NH3 in CHCl3, II gave largely I and only small

amts. of IV. By the cyclization of appropriate enamines the following

derivs. of IV were formed: 8-Br, pale yellow, m. 168-9° (from the

enamine prepared from III and 1,2-H2N(Br)ClOH6), and 8-Me, m. 127°

(prepared from the enamine, m. 95°, formed from III and

2-H2NClOH6Me). The 3-Br derivative (V) of I and III gave

2-(3-bromo-2-naphthylamino)-2-penten-4-one, needles, m. 95° (from

Et2O), which with concentrated H2SO4 at 0° gave 83% V. I (10 g.) and 17

g. Bz2CH2 at 130° gave the enamine, 2-(BzCH:CPHnH)-ClOH7 (VI),

yellow needles, m. 146-7°, nonfluorescent, unaffected by hot aqueous

acids or alkalis, and unchanged when heated at 300° in paraffin,

but forming 2-BzNHC1OH7, m. 159-60° and BzOK when oxidized with

KMnO4 in Me2CO. With 90 cc. concentrated H2SO4 at 0°, 15 g. VI gave an

orange-red sulfate which was washed with ice-H2O, dried, extracted with H2O

and CHCl3, and the dried CHCl3 extract was passed through Al2O3, evaporated,

and

crystallized from EtOH at 40°, giving 10.81 g.

2,4-diphenylbenzo[g]quinoline (VII), pale yellow, m. 146° (from

CHCl3-EtOH), showing in alc. an unusually brilliant pale blue fluorescence

veering to faint yellow on addition of acid, and, from the mother liquor of

VII, 1.2 g. of the angular [f]-isomer (VIII), m. 146°, separated after

tedious, successive fractionations from Me2CO, AcOEt, and MeOH. A simpler

means of separating VII and VIII was to irradiate the mixture in Me2CO, thus

forming the insol. dimer (IX) of VII, the mother liquors from which gave

nearly pure VIII. When mixed, VII and VIII showed m.-p. depressions of

20-30°. With glacial AcOH and CrO3, 1.5 g. VII formed an insol.

orange-red bichromate, which, when heated, gave 1.39 g. yellow

2,4-diphenyl-1-azanthraquinone, C25H15NO2, m. 250-1° (from glacial

AcOH or C6H6). VII (0.3 g.) gave 0.375 g. of a sulfonic acid, C<sub>25</sub>H<sub>16</sub>NSO<sub>3</sub>H, orange-red needles (from EtOH), m. above 300°. Heated with quinone in C<sub>6</sub>H<sub>6</sub> VII gave the adduct (X), colorless, nonfluorescent, dissociating and foaming at 204-6°, and giving a clear melt at 240°. A 24-hr. solar photodimerization of VII in C<sub>6</sub>H<sub>6</sub> gave IX, C<sub>50</sub>H<sub>31</sub>N<sub>2</sub>, colorless, m. 273 ° (from C<sub>6</sub>H<sub>6</sub>), showing a faint blue fluorescence and quantitatively depolymerized to VII on melting. VIII was effectively prepared by gradually adding 0.5 g. VI to ZnCl<sub>2</sub> at 200° heating 1 hr., decomposing the melt with H<sub>2</sub>O, extracting with CHCl<sub>3</sub>, passing the

extract

through Al<sub>2</sub>O<sub>3</sub>, evaporating, and crystg. from MeOH; yield 0.28 g. VIII. VIII in alc. showed a bluish-violet fluorescence; VIII forms difficultly soluble HCl and H<sub>2</sub>SO<sub>4</sub> salts. In alc., VIII proved stable on irradiation, but a photochem. reaction occurred rapidly on addition of a few drops of H<sub>2</sub>SO<sub>4</sub>, giving (from 0.15 g. VIII) 0.136 g. of a compound (XI), felted needles, m. 220° (from CHCl<sub>3</sub>-EtOH). Bz<sub>2</sub>CH<sub>2</sub> and the 1-Me derivative of I gave the corresponding enamine, m. 163-4°, which when cyclized at 5° with H<sub>2</sub>SO<sub>4</sub> gave 96% of the 8-Me derivative (XII) of VII, m. 138-9° (from EtOH-CHCl<sub>3</sub>), whose photodimer, colorless crystals with bluish-green surface sheen, m. 246-7° XII when added to a ZnCl<sub>2</sub> melt gave a compound, (1-MeC<sub>10</sub>H<sub>6</sub>)<sub>2</sub>NH (?), m. 221-4° (insol. even in concentrated acids). The 1-Br derivative of I and Bz<sub>2</sub>CH<sub>2</sub> gave an enamine, yellow leaflets, m. 174°, difficultly cyclized after standing 24 hrs. in concentrated H<sub>2</sub>SO<sub>4</sub> to give a poor yield of an impure (linear ?) pale yellow bromobenzoquinoline, m. 199-204° (containing 77.41% C instead of the calculated 73.16%); when this enamine was heated with ZnCl<sub>2</sub>, small amts. of VIII were formed. The 3-Br derivative of I and Bz<sub>2</sub>CH<sub>2</sub> reacted slowly at 130° to give the enamine, C<sub>25</sub>H<sub>18</sub>NOBr, m. 131°, which when fused with ZnCl<sub>2</sub> gave 1,3-diphenyl-5-bromobenzo[f]quinoline, m. 152-3° showing weak violet fluorescence. Bz<sub>2</sub>CH<sub>2</sub> and freshly distilled 2-amino-1,2,3,4-tetrahydronaphthalene gave an enamine, m. 135° which with H<sub>2</sub>SO<sub>4</sub> at 5° gave 92% (linear) 2,4-diphenyl-6,7,8,9-tetrahydrobenzo[g]quinoline (XIII), m. 129°, showing a blue fluorescence, also formed from the enamine by ZnCl<sub>2</sub> fusion. Dehydrogenation of XIII with Pt-C gave VII; no VIII was formed. I and BzCH<sub>2</sub>Ac at 130° gave 96% of the corresponding enamine, m. 152-3°, which yielded 2-methyl-4-phenylbenzo[g]quinoline (XIV), b<sub>12</sub> 260°, m. 110° (from petr. ether) [cf. Beyer, Ber. 20, 1767 (1887)]. Similarly, the 1-Me derivative of I and BzCH<sub>2</sub>Ac gave 90% of an enamine, pale yellow prisms, m. 158°, which gave 70% of the 8-Me deriv. of XIV, m. 105-6°. The enamine, m. 133-4°, prepared from 3,2-BrC<sub>10</sub>H<sub>6</sub>-NH<sub>2</sub> and BzCH<sub>2</sub>Ac could not be cyclized by the usual procedure with H<sub>2</sub>SO<sub>4</sub>. Ultraviolet absorption spectra of VII and VIII are given.

IT 854835-41-9P, Chalcone, β-(5,6,7,8-tetrahydro-2-naphthylamino)-

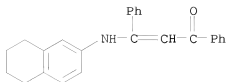
RL: PREP (Preparation)

(preparation of)

RN 854835-41-9 CAPLUS

CN 2-Propen-1-one, 1,3-diphenyl-3-[(5,6,7,8-tetrahydro-2-naphthalenyl)amino]-  
(CA INDEX NAME)

10/513699



OS.CITING REF COUNT: 2

THERE ARE 2 CAPLUS RECORDS THAT CITE THIS RECORD  
(2 CITINGS)

L5 ANSWER 32 OF 47 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1949:46455 CAPLUS

DOCUMENT NUMBER: 43:46455

ORIGINAL REFERENCE NO.: 43:8390a-i

TITLE: Synthetic studies in the isoquinoline series

AUTHOR(S): Schultz, Everett M.; Arnold, R. T.

SOURCE: Journal of the American Chemical Society (1949), 71, 1911-14

CODEN: JACSAT; ISSN: 0002-7863

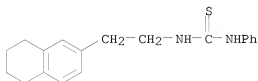
DOCUMENT TYPE: Journal

LANGUAGE: Unavailable

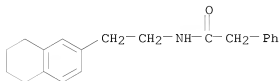
AB 5-(Chloromethyl)hydrindene (30 g.) in 75 ml. EtOH, added (0.5 hr.) to 11 g. NaCN in a min. quantity of hot H<sub>2</sub>O and refluxed 4 hrs., gives 73% 5-hydrindeneacetonitrile (I), b<sub>2</sub> 5 113-15°; 58 g. I and 4 g. Raney Ni in 100 ml. EtOH containing 19 g. NH<sub>3</sub>, hydrogenated (4 hrs.) at 110° and 1100 lb., give 98% 2-(5-hydrindenyl)ethylamine (II), b<sub>4</sub> 104-7°, analyzed as the phenylthiocarbamyl derivative, m. 96.5-7.5°. I (75 g.) in 24 g. absolute EtOH and 70 ml. ether, treated with 21 g. HCl, kept 16 hrs. at 5°, and the imido ester hydrolyzed (24 hrs.) with H<sub>2</sub>O, gives 40 g. of the Et ester, b<sub>3</sub> 122°, n<sub>D</sub> 25 1.5201, of 5-hydrindeneacetic acid (III), m. 113-14° (anilide, m. 122.5-3.5°). The acid chloride of III (19.4 g.), added to 16.1 g. II in 7.6 g. C<sub>5</sub>H<sub>5</sub>N and boiled 5 min., gives 47% N-[2-(5-hydrindenyl)ethyl]-5-hydrindeneacetamide (IV), m. 99-100°. IV (6 g.) in 65 ml. hot xylene, added to 12 g. P<sub>2</sub>O<sub>5</sub>, the mixture boiled 15 min., 6 g. P<sub>2</sub>O<sub>5</sub> added, the mixture boiled an addnl. 0.5 hr., the xylene decanted, the residue heated with 100 ml. H<sub>2</sub>O, the residual xylene removed by steam distillation, and the aqueous solution extracted with ether, made strongly basic with 10% KOH, and extracted with ether, gives 4 g. 1-(5-hydrindenylmethyl)-6,7-cyclopenteno-3,4-dihydroisoquinoline (V), yellow, b<sub>3</sub> 235-40° (bath temperature), analyzed as the picrate, m. 196-7°; the crude V and 0.6 g. 10% Pd-C, heated in a CO<sub>2</sub> stream 45 min. at 180-200°, give 1.3 g. 1-(5-hydrindenylmethyl)-6,7-cyclopentenoisoquinoline, m. 91-2°. II (8.86 g.) and 11 g. homopiperonylic acid, heated 4 hrs. at 160-70°, give 13.9 g. N-[2-(5-hydrindenyl) ethyl]homopiperonylamide (VI), m. 119-20°; 5.5 g. VI, cyclized as above and dehydrogenated, gives 0.8 g. 1-(3,4-methylenedioxybenzyl)-6,7-cyclopentenoisoquinoline, m. 98-9°. The crude acid chloride from 17.6 g. III in 100 ml. C<sub>6</sub>H<sub>6</sub>, treated slowly with 16.5 g. homopiperonylamine and 7.6 g. C<sub>5</sub>H<sub>5</sub>N in 50 ml. C<sub>6</sub>H<sub>6</sub> and boiled 10 min., give 61% N-[2-(3,4-methylenedioxyphenyl)-ethyl]-5-hydrindeneacetamide, m. 122.5-3.5°; cyclization of 2 g. with P<sub>2</sub>O<sub>5</sub> gives 0.7-0.8 g. 1-(5-hydrindenylmethyl)-6,7-methylenedioxy-3,4-dihydroisoquinoline (Via), m. 130.5-1° (picrate, m. 175-6°); 5.9 g. (Via) and 1.3 g. 10% Pd-C, heated 3.5 hrs. at 155-200°, give 1.65 g. of the HCl salt, m. 257-8°, of 1-(5-hydrindenylmethyl)-6,7-methylenedioxyisoquinoline, m. 168-9° (picrate, m. 184-5°). II (5.33 g.), 2.57 g. AcCl, and 2.6 g. C<sub>5</sub>H<sub>5</sub>N in C<sub>6</sub>H<sub>6</sub> give 3 g. of the Ac derivative, b<sub>2</sub> 170-85° (bath temperature), m. 77.5-8°; cyclization gives 1-methyl-6,7-cyclopenteno-3,4-dihydroisoquinoline, analyzed as the picrate, m. 205°; oxidation of the base with HNO<sub>3</sub> gives 1,2,4,5-C<sub>6</sub>H<sub>2</sub>(CO<sub>2</sub>H)<sub>4</sub>, indicating that cyclization in the hydrindene series occurs across the 5,6-positions of the hydrindene nucleus. 6-Acetyl-1,2,3,4-tetrahydronaphthalene (50.9 g.), 10 g. S, and 26 g. morpholine, heated 8.5 hrs. at 120-5°, give 90% 1,2,3,4-tetrahydro-6-naphthalenethioacetomorpholide (VII), m. 114.5-15.5°; 58.4 g. VII in 1 l. 10% KOH, boiled 10 hrs., gives 79%

1,2,3,4-tetrahydro-6-naphthaleneacetic acid (VIII), m. 95-6°; the Me ester of VIII (b2 141-5°) and concentrated NH<sub>4</sub>OH, 72 hrs. at 25-30°, give 83% of the amide, m. 168-9°; with SOCl<sub>2</sub> in C<sub>6</sub>H<sub>6</sub> this yields 67% of the nitrile, b3 144-7°, catalytic reduction of which in MeOH containing liquid NH<sub>3</sub> gives 90% 2-(1,2,3,4-tetrahydro-6-naphthyl)ethylamine (IX), analyzed as 1-[2-(1,2,3,4-tetrahydro-6-naphthyl)ethyl]-3-phenyl-2-thiourea, m. 130-1°; 5 g. IX and 4.25 g. PhCH<sub>2</sub>CO<sub>2</sub>H, heated 3 hrs. at 160-80°, give 74% N-[2-(1,2,3,4-tetrahydro-6-naphthyl)ethyl]-α-phenylacetamide, m. 99-100°; cyclization of 5.15 g. with 10 g. P<sub>2</sub>O<sub>5</sub> in 75 ml. PhMe gives 3.75 g. 1-benzyl-6,7-cyclohexeno-3,4-dihydroisoquinoline, b. 180-200°/10-4 mm., analyzed as the picrate, m. 193-4° (decomposition); HNO<sub>3</sub> oxidation yields 1,2,4,5-C<sub>6</sub>H<sub>2</sub>(CO<sub>2</sub>H)<sub>4</sub>; heating with 10% Pd-C at 300-310° (4.5 hrs.) gives the isoquinoline (m. 115-16°), whose picrate m. 211-12°.

IT 859736-98-4P, Urea, 1-phenyl-3-[2-(5,6,7,8-tetrahydro-2-naphthyl)ethyl]-2-thio- 861059-29-2P, Acetamide, 2-phenyl-N-[2-(5,6,7,8-tetrahydro-2-naphthyl)ethyl]-  
 RL: PREP (Preparation)  
 (preparation of)  
 RN 859736-98-4 CAPLUS  
 CN Thiourea, N-phenyl-N'-[2-(5,6,7,8-tetrahydro-2-naphthalenyl)ethyl]- (CA INDEX NAME)



RN 861059-29-2 CAPLUS  
 CN Benzeneacetamide, N-[2-(5,6,7,8-tetrahydro-2-naphthalenyl)ethyl]- (CA INDEX NAME)



OS.CITING REF COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD  
 (1 CITINGS)

L5 ANSWER 33 OF 47 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1949:17411 CAPLUS

DOCUMENT NUMBER: 43:17411

ORIGINAL REFERENCE NO.: 43:3362g-i,3363a-i,3364a-d

TITLE: Biosynthesis of penicillins. VI. N-2-Hydroxyethyl amides of some polycyclic and heterocyclic acetic acids as precursors

AUTHOR(S): Jones, Reuben G.; Soper, Quentin F.; Behrens, Otto K.; Corse, Joseph W.

SOURCE: Journal of the American Chemical Society (1948), 70, 2843-8

CODEN: JACSAT; ISSN: 0002-7863

DOCUMENT TYPE: Journal

LANGUAGE: Unavailable

OTHER SOURCE(S): CASREACT 43:17411

AB 2,6-MeClO<sub>6</sub>H<sub>2</sub> (78 g.) in 80 mL. concentrated HCl and 200 mL. H<sub>2</sub>O at 0°, treated at 5° with 35 g. NaNO<sub>2</sub> in 50 mL. H<sub>2</sub>O and, after 0.5 h., with 130 g. ice-cold 42% HBF<sub>4</sub>, gives 90% of the 2-diazonium fluoroborate, decomposition of which yields 69% 2-methyl-6-fluoronaphthalene (I), m. 77°. I (40 g.) at 210°, treated (15 min.) with 40 g. Br (with illumination with a 100-w. lamp), gives 82% 2-(bromomethyl)-6-fluoronaphthalene (II), b<sub>2</sub> 125-30°, m. 53°. II (48 g.), added to a refluxing solution of 30 g. KCN in 60 mL. H<sub>2</sub>O and 200 mL. EtOH, the EtOH removed after refluxing 4 h., 500 mL. H<sub>2</sub>O added, the solution extracted with ether, and the residue from the ether

boiled 5

h. with 40 g. KOH in 40 mL. H<sub>2</sub>O and 200 mL. EtOH, gives 74% 6-fluoro-2-naphthaleneacetic acid, m. 138-9° (Me ester, b<sub>2</sub> 163-6°, m. 48-9°). 2,6-MeClO<sub>6</sub>H<sub>2</sub> (63 g.) in 100 mL. H<sub>2</sub>O and 700 g. 48% HBr, treated (3-4 h.) at 5° with 45 g. NaNO<sub>2</sub> in 75 mL. H<sub>2</sub>O and the diazonium solution poured (10 min.) into 170 g. CuBr in 800 mL. 48% HBr at 70-80°, gives 40% 6-bromo-2-methylnaphthalene (III), m. 142° III yields 80% 6-bromo-2-(bromomethyl)naphthalene, m. 124-5° this gives 69% 6-bromo-2-naphthaleneacetic acid, m. 175-6° (Me ester, b<sub>2</sub> 187-93°, m. 67-9°). 3,2-ClC<sub>10</sub>H<sub>6</sub>CHO (32.5 g.), 35 g. hippuric acid, 14.5 g. anhydrous AcONa, and 50 mL. Ac<sub>2</sub>O, heated on the steam bath 1 h., give 75% 2-phenyl-4-(3-chloro-2-naphthylmethylene)-5(4H)-oxazolone (IV), bright yellow, m. 192° 40 g. IV in 200 mL. 10% NaOH, refluxed 9 h., the mixture diluted to 1500 mL. with H<sub>2</sub>O, washed with ether, the aqueous solution

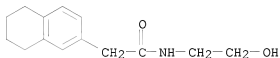
treated

with 20 mL. 12.5 N NaOH and 15 mL. 30% H<sub>2</sub>O<sub>2</sub>, allowed to stand overnight, the filtrate acidified with HCl, extracted with ether-C<sub>6</sub>H<sub>6</sub>, and the residue esterified, gives 37% Me 3-chloro-2-naphthaleneacetate, b<sub>2</sub> 163-5°, m. 49-50° the free acid m. 193-4°. 6,2-MeOC<sub>10</sub>H<sub>6</sub>Ac (100 g.), 25.5 g. S, and 87 g. morpholine, heated 18 h. at 140°, part of the morpholine removed in vacuo, 250 mL. AcOH and 350 mL. concentrated HCl added, and the mixture refluxed 24 h., give 67% 6-methoxy-2-naphthaleneacetic acid, m. 203-5° (Me ester, b<sub>1</sub> 192-3°, m. 86°, 73%). 5,6,7,8-Tetrahydro-2-acetonaphthone (50 g.), 13 g. S, and 40 mL. morpholine, refluxed overnight, 400 mL. concentrated HCl and 300 mL. H<sub>2</sub>O added, and the mixture again refluxed overnight, followed by esterification with EtOH and H<sub>2</sub>SO<sub>4</sub>, give Et 5,6,7,8-tetrahydro-2-naphthaleneacetate, b<sub>0</sub> 5 140-3°. 2-Acetylphenanthrene (13.2 g.), 3.2 g. S, and 10.5 g. morpholine, heated 15 h. at 160°, the mixture treated with 150 mL. AcOH and 36% HCl, and refluxed 24 h., give 81% 2-phenanthreneacetic acid, m. 187-8° the 3-isomer m. 174-5°, 84% (Me ester, b<sub>1</sub> 5

203-5°, 89%). 8-(Bromomethyl)quinoline (120 g.) in 250 mL. warm EtOH, added (0.5 h.) to 50 g. KCN in 100 mL. warm H2O and the mixture refluxed 1.5 h., gives 78% 8-(cyanomethyl)quinoline, m. 86-7°; hydrolysis with aqueous alc. KOH and esterification give 91% Et 8-quinolineacetate, b3 158-60°. Et 3-quinolinecarboxylate (70 g.), 62 g. AcOEt, and EtONa (12 g. Na and 0.52 mol absolute EtOH) in 100 cc. dry C6H6, refluxed 20 h., the cooled solution poured onto ice, diluted to 5 l. with H2O, treated with 50 mL. 12 N NaOH, washed with two 300 mL. portions of ether, and the aqueous solution neutralized with dilute H2SO4 and extracted with two 500-mL. portions of ether, give 75% Et 3-quinolylformylacetate, m. 84° 27 g. of the keto ester in 125 g. 25% H2SO4, heated 30 min. at 100°, gives 95% 3-acetylquinoline (V). V (7 g.), 5 g. S, 50 mL. (NH4)2S, and 25 mL. H2O, heated 20 h. at 145-50°, the residue extracted with two 300-mL. portions boiling 5% HCl, the solution refluxed 3 h., and the crude acid esterified, give 19% Et 3-quinolineacetate, b2.5 140-2°. pH2NC6H4CH2CO2H (46 g.), 10.5 g. FeSO4, 115 g. C3H5(OH)3, 23 g. PhNO2, and 53 mL. concentrated H2SO4, boiled 5 h., give 37 g. crude acid which, esterified with EtOH and HCl, gives 39% Et 6-quinolineacetate, b3 160° the free acid (VI) m. 218-20°. Et 6-quinolinecarboxylate and AcOEt, condensed with EtONa, give 87% Et 6-quinolineacetate, hydrolysis of which with 25% H2SO4 at 100° gives 90% 6-acetylquinoline, m. 76° the Willgerdt reaction gives 87.5% VI. 3,4 O2N(H2N)C6H3CO2H (108 g.) in 350 mL. concentrated HCl, treated with 125 g. Sn in portions (temperature below 90°), gives 87% (3,4-diaminophenyl)acetic acid-2HCl (VII), m. 222-4° (decomposition); Et ester-2HCl (VIII), m. 185-7° (decomposition); 3 g. VII and 20 mL. 98-100% HCO2H, heated several hrs., give 100% 5-benzimidazoleacetic acid-HCl, m. 240-2° the Et ester m. 65-6°, 75%. VIII (14 g.) in 200 mL. ice H2O, treated with excess COCl2, gives 95% Et 2-hydroxy-5-benzimidazoleacetate, m. 208-9°. NCCH2CO2Et (113 g.) and 15 g. (HOCH2CH2)3N in 100 mL. absolute EtOH, treated with a slow stream of H2S, the mixture poured after 5 days into ice-H2O, and 38 g. of the resulting oil and 23.1 g. ClCH2Ac in 300 cc. anhydrous ether kept 4 days, give 20.6 g. Et 4-methyl-2-thiazoleacetate, b17 136-9°. Thiaxanthidol (42 g.), 30 g. CH2(CO2H)2, and 80 mL. C5H5N, heated 2 h. at 60-70° and 2 h. at 90-5° and the liquid poured into 600 mL. 2 N HCl, give 90% 9-thiaxantheneacetic acid, m. 167-8° (Me ester, b2 182-4°). The Ag salt of 2-benzylimidazole (53 g.) and 50 g. BrCH2CO2Et in 200 mL. xylene, refluxed 48 h., give 25.4% of the Et ester, m. 70-70.5°, of 2-benzyl-1-imidazoleacetic acid, m. 173-4°. Me 1-acenaphtheneacetate, b4 176-8°. N-2-Thienylacetyl-DL-valine m. 110-12°. Amides were prepared by heating the Me or Et ester of the various acids with a slight excess of HOCH2CH2NH2 at 100-150° for several hrs.; R in RCH2CONHCH2CH2OH is given, together with S (see part V). 2-C10H7 m. 125-7°, S 1.3; 1-bromo-2-naphthalene m. 155-6°, S 0.5; 6-fluoro-2-naphthalene m. 145-6°, S 1.2; 3-chloro-2-naphthalene m. 150-1°, S 0.3; 6-bromo-2-naphthalene m. 167-8°, S 0.9; 5,6,7,8-tetrahydro-2-naphthalene m. 88-90°, S 0.9; 1-nitro-2-naphthalene m. 154-5°, S 0.9; 6-methoxy-2-naphthalene m. 160°, S 1.1; 1-acenaphthene m. 160°, S 1.1; 9-fluorene m. 127-8°, S 0.7; 2-phenanthrene m. 135-7°, S 0.5; 3-isomer m. 133-5°, S 0.5; 1-pyrrole m. 85-7°, S 0.9; 2-thiophene m. 66-7°, S 1.8; 2-furan oil, S 0.4; 2,6-dihydroxy-5-pyrimidine m. 271-2°, S 1; 2-methyl-4-hydroxy-5-pyrimidine m. 184°, S 0.9; 3,4-methylenedioxyphenyl m. 99-100°, S 1; 2-methyl-4-thiazole m.

93-4°, S 0.85; 4-methyl-2-thiazole m. 80-2°, S 0.9;  
 2-pyridine m. 93-4°, S 1; 3-isomer m. 94° S 1;  
 6-methyl-2-pyridine m. 49-50°, S 1; 2-benzyl-1-imidazole m.  
 177-9°, S 1; 3-quinoline m. 151-2°, S 1; 6-isomer m.  
 135°, S 1; 8-isomer m. 92-3°, S 1; 2-benzimidazole m.  
 185-90°, S 1; 5-isomer m. 160-2°, S 1;  
 2-hydroxy-5-benzimidazole m. 245-6°, S 1; 7-hydroxy-4-coumarin m.  
 114-16°, S 1; 9-xanthene m. 157-8°, S 0.8; 9-thiaxanthene m.  
 148-9°, S 0.7; 5-hydantoin m. 160-2°, S 0.9. Only a few of  
 these compds. appeared to be utilized readily by the mold for the  
 formation of new penicillins. Several of the compds. appeared to effect  
 some increase in penicillin yield or to change the differential assay  
 value of the crude penicillin produced in their presence.

IT 858199-36-7P, 2-Naphthaleneacetamide,  
 5,6,7,8-tetrahydro-N-2-hydroxyethyl-  
 RL: PREP (Preparation)  
 (preparation of)  
 RN 858199-36-7 CAPLUS  
 CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-(2-hydroxyethyl)- (CA INDEX  
 NAME)



OS.CITING REF COUNT: 4 THERE ARE 4 CAPLUS RECORDS THAT CITE THIS RECORD  
 (4 CITINGS)



L5 ANSWER 34 OF 47 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1949:11510 CAPLUS

DOCUMENT NUMBER: 43:11510

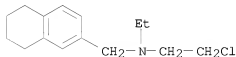
ORIGINAL REFERENCE NO.: 43:2319i,2320a-c

TITLE: Adrenergic blocking drugs. II. Antagonism of histamine and adrenaline with N-(2-haloalkyl)-1-naphthylmethylamine derivatives  
 Loew, Earl R.; Micetich, Audrey  
 Journal of Pharmacology and Experimental Therapeutics (1948), 94, 339-49  
 CODEN: JPETAB; ISSN: 0022-3565

DOCUMENT TYPE: Journal

LANGUAGE: Unavailable

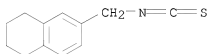
- AB cf. C.A. 43, 311a. Compds. studied were the series 1-ClO<sub>2</sub>H<sub>7</sub>CH<sub>2</sub>N(R)CH<sub>2</sub>CH<sub>2</sub>Cl where R = Me, Et, Pr, iso-Pr, allyl, Bu, sec-Bu, iso-Bu, Am, hexyl, 2-methoxyethyl, and 2-chloroethyl, and also N-ethyl-N-2-hydroxyethyl-1-naphthylmethylamine, N-ethyl-N-2-chloroethyl-1-(4-chloronaphthyl)methylamine, and N-ethyl-N-2-chloroethyl-2-naphthylmethylamine and its 5,6,7,8-tetrahydro derivative; all as HCl salts. They exhibited the dual property of strongly blocking certain effects of both adrenaline and its physiol. antagonist histamine. The lower alkyl homologs in oral doses of 3-17 mg./kg. were effective in reducing the toxicity of adrenaline in mice; the toxic doses were 60-360 times as great. Injected i.v. in dogs, the compds. reversed the action of adrenaline and diminished the pressor response to injected histamine; their effect was of long duration. S.c. in guinea pigs, they reduced the toxicity of histamine aerosol and the histamine released during anaphylaxis. The most effective compds. were N-ethyl-N-2-chloroethyl- and N-ethyl-N-2-bromoethyl-1-naphthylmethylamine (SY-14 and SY-28).
- IT 856200-34-5, 2-Naphthalenemethylamine, N-(2-chloroethyl)-N-ethyl-5,6,7,8-tetrahydro-, hydrochloride (antagonism to adrenaline and histamine)
- RN 856200-34-5 CAPLUS
- CN 2-Naphthalenemethanamine, N-(2-chloroethyl)-N-ethyl-5,6,7,8-tetrahydro-, hydrochloride (1:1) (CA INDEX NAME)



● HCl

L5 ANSWER 35 OF 47 CAPLUS COPYRIGHT 2009 ACS on STN  
 ACCESSION NUMBER: 1948:19976 CAPLUS  
 DOCUMENT NUMBER: 42:19976  
 ORIGINAL REFERENCE NO.: 42:4302i,4303a  
 TITLE: Thermally vaporizable fumigant comprising sensitized ammonium nitrate and a pesticide  
 INVENTOR(S): Flanders, John Stocks; Jones, Elwyn  
 PATENT ASSIGNEE(S): Imperial Chemical Industries Ltd.  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Unavailable  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

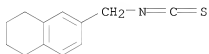
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	US 2440082		19480420	US 1946-658882	19460401 <--
AB	Ten parts of a pesticide (DDT, $\gamma$ -hexachlorobenzene, or pentachlorophenol) is incorporated into a mixture of 90 parts of $\text{NH}_4\text{NO}_3$ and 10 parts of a chromate, which by its self-sustained exothermic reaction will evaporate the pesticide, after being set off with a fuse.				
IT	855737-77-8P, Naphthalene, 1,2,3,4-tetrahydro-6-(isothiocyanatomethyl)- RL: PREP (Preparation) (preparation of)				
RN	855737-77-8 CAPLUS				
CN	Naphthalene, 1,2,3,4-tetrahydro-6-(isothiocyanatomethyl)- (CA INDEX NAME)				



L5 ANSWER 36 OF 47 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1948:19975 CAPLUS  
 DOCUMENT NUMBER: 42:19975  
 ORIGINAL REFERENCE NO.: 42:4302g-i  
 TITLE: Tetralyl compounds  
 INVENTOR(S): Jones, Franklin D.  
 PATENT ASSIGNEE(S): American Chemical Paint Co.  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Unavailable  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
	US 2438751		19480330	US	<--
AB	From tetralyl-6-methyl chloride (I) are prepared tetralyl-6-acetonitrile (also called 1,2,3,4-tetrahydronaphthalene-6-acetonitrile), b. 150-5° at 2 mm.; tetralyl-6-acetic acid, m. 109-14°; the amide, m. 147°; the Me ester, b. 135-40° at 1-2 mm.; the Et ester, b. 140-5° at 1-2 mm.; and alkaline salts, soluble in H2O. On refluxing I and a substantially equivalent mol. proportion of KCNS and 3-4 times their volume of an alc. for 1 hr. and pouring into 4 times its volume of cold H2O, tetralyl-6-methyl thiocyanate is precipitated which, on distillation, is converted to the isothiocyanate, b. 168-74° at 1-2 mm. These derivs. are effective as plant hormones, insecticides, and fungicides.				
IT	855737-77-8P, Naphthalene, 1,2,3,4-tetrahydro-6-(isothiocyanatomethyl)- RL: PREP (Preparation) (preparation of)				
RN	855737-77-8 CAPLUS				
CN	Naphthalene, 1,2,3,4-tetrahydro-6-(isothiocyanatomethyl)- (CA INDEX NAME)				



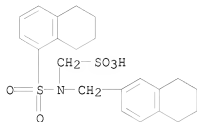
L5 ANSWER 37 OF 47 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1946:21658 CAPLUS  
 DOCUMENT NUMBER: 40:21658  
 ORIGINAL REFERENCE NO.: 40:4234f-i,4235a-d  
 TITLE: Aralkylated sulfonamides  
 INVENTOR(S): Albrecht, Otto  
 PATENT ASSIGNEE(S): Society of Chemical Industry  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Unavailable  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	US 2398990		19460423	US 1943-474900	19430205 <--
GI	For diagram(s), see printed CA Issue.				
AB	<p>Useful wetting, dispersing, and washing agents result from condensation of sulfonamides with aryl chloromethyl compds. Solubility in H<sub>2</sub>O is achieved by polar groups, such as -SO<sub>3</sub>Na or -OSO<sub>3</sub>H. Thus p-cymene is converted with ClSO<sub>3</sub>H, followed by NH<sub>3</sub>, to a mixture of cymenesulfonamides, 53 parts of which is treated with 50 parts of Na formaldehyde bisulfite (I) and 2.5 parts of diethylamine for 20 min. at 160-5°; 7 parts of the product is dissolved in 14 parts of H<sub>2</sub>O and 3.2 parts of 6-(chloromethyl)-1,2,3,4-tetrahydronaphthalene (II) and 2.9 parts of 30% NaOH is added at 65-70° during 1 hr. The mixture is stirred, excess NaOH is neutralized, and by evaporation to dryness a product is isolated, probably of the formula Likewise 10 parts of the product obtained by the reaction of the tetrahydronaphthalenesulfonamides (III) with I is dissolved in 20 parts of H<sub>2</sub>O and 4.4 parts of II is added and heated with 3.9 parts of 30% NaOH until a sample dissolves in H<sub>2</sub>O (2 hrs. at 65-70°). Similar products may be obtained with Na formaldehydesulfoxylate, and with a (chloromethyl)cymene (IV), or from the complex mixture which results when tetrahydronaphthalene is heated with AlCl<sub>3</sub> at 100°. A technical grade of III will react in aqueous alkali with CH<sub>2</sub>ClCO<sub>2</sub>H to yield tetrahydronaphthalene-sulfonamidoacetic acids which react similarly with II to give a soluble washing powder. Another variation consists in preparation of the isomeric N-hydroxyethyl-p-cymenesulfonamides (from the sulfonyl chloride and CH<sub>2</sub>(OH)CH<sub>2</sub>NH<sub>2</sub>) and treating them with IV, followed by treatment with ClSO<sub>3</sub>H, and then H<sub>2</sub>O, to give the acid sulfate. Also, 15 parts of the condensation product (V) from the Na salt of 2-amino-6,8-naphthalenedisulfonic acid (VI) and N-chloroacetyl tetrahydronaphthalenesulfonamide is dissolved in 25 parts of H<sub>2</sub>O at 70° and 4.5 parts of II and 3.7 parts of 30% NaOH are added; stirring at 65-70° for 30 min. gives a H<sub>2</sub>O-soluble product which, however, reacts further with 4.5 parts of II, condensation apparently taking place at both the amido and amino H. V can be made as follows: 46 parts of III is heated with 24.6 parts of CH<sub>2</sub>ClCOCl to 100° in the course of 2 hrs., and heating is continued for 2.5 hrs. at 100°; 14.4 parts of the chloroacetyl derivative is mixed with 6.7 parts of 30% NaOH and 7.5 parts by volume of EtOH and is dropped during 2 hrs. at 65-70° into a solution of 24.3 parts of VI (partly neutralized as the Na acid salt), containing 62.4% free disulfonic acid, in 50 parts by volume of H<sub>2</sub>O, made neutral with Na<sub>2</sub>CO<sub>3</sub>; V is isolated by evaporation of the reaction mixture to dryness, after it had been stirred for 2.5 hrs. at 70°.</p>				
IT	<p>854747-58-3P, Methanesulfonic acid,          [N-(5,6,7,8-tetrahydro-2-naphthylmethyl) (5,6,7,8-</p>				

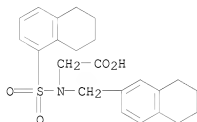
tetrahydronaphthyl)sulfonamido]-, sodium salt 859980-42-0P,  
 Glycine, N-(5,6,7,8-tetrahydro-2-naphthylmethyl)-N-(5,6,7,8-  
 tetrahydronaphthylsulfonyl)-, sodium salt  
 RL: PREP (Preparation)

(preparation of)  
 RN 854747-58-3 CAPLUS  
 CN Methanesulfonic acid, 1-[[[(5,6,7,8-tetrahydro-2-  
 naphthalenyl)methyl][(5,6,7,8-tetrahydro-1-naphthalenyl)sulfonyl]amino]-,  
 sodium salt (1:1) (CA INDEX NAME)



● Na

RN 859980-42-0 CAPLUS  
 CN Glycine, N-(5,6,7,8-tetrahydro-2-naphthylmethyl)-N-(5,6,7,8-  
 tetrahydronaphthylsulfonyl)-, sodium salt (4CI) (CA INDEX NAME)



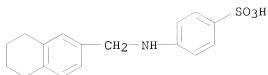
● Na

L5 ANSWER 38 OF 47 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1946:4643 CAPLUS  
 DOCUMENT NUMBER: 40:4643  
 ORIGINAL REFERENCE NO.: 40:754i,755a-c,756a-b  
 TITLE: Derivatives of sulfonated amines  
 INVENTOR(S): Granacher, Charles; Streuli, Paul; Meyer, Jules  
 PATENT ASSIGNEE(S): Soc. pour l'ind. chim. a Bale  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Unavailable  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

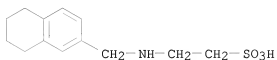
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	US 2376911		19450529	US 1942-462988	19421022 <--
AB	<p>Aminosulfonic acids are treated with aralkylating agents containing at least 8 C atoms to form N-aralkylaminosulfonic acids which are useful as wetting, dispersing, washing, softening, leveling, or foaming agents in the treatment of textiles. For example the Na salt of sulfanilic acid in aqueous Na<sub>2</sub>CO<sub>3</sub> solution is treated with ar-2-(chloromethyl)tetrahydronaphthalene (I) at 70-80° to form the Na salt of</p> <p>N-(ar-2-tetrahydronaphthylmethyl)sulfanilic acid, which is salted out and dried. Similar compds. or their salts are prepared in a like manner by treating salts of the following aminosulfonic acids with I:</p> <p>1,6-naphthylaminesulfonic acid, 2,6,8-(and 1,3,6)-naphthylaminedisulfonic acid, and β-aminoethanesulfonic acid. One or both free H atoms in the NH<sub>2</sub> may be replaced in accordance with the amount of aralkylating agent used. Products containing the N-tetrahydronaphthylmethyl radical have excellent washing properties, and those containing 2 SO<sub>3</sub>H groups are particularly good in hard water. Similarly N-(cymylmethyl)aminosulfonic acids and their salts are prepared in a like manner by treating salts of the following aminosulfonic acids with 2-(chloromethyl)cymene:</p> <p>N-methylsulfanilic acid, 2,6,8-naphthylaminedisulfonic acid, phenylhydrazinesulfonic acid, and β-aminoethanesulfonic acid. Again one or both H atoms on the NH<sub>2</sub> group may be replaced. Products containing the cymylmethyl group have particularly good wetting properties. Products containing a free amino H atom may be treated with ethylene oxide or an acyl chloride, such as lauric acid chloride, to form a product with -CH<sub>2</sub>CH<sub>2</sub>OH (or -CH<sub>2</sub>CH<sub>2</sub>OCH<sub>2</sub>CH<sub>2</sub>OH) or an acyl group, resp., on the N atom.</p>				
IT	<p>857954-48-4P, Sulfanilic acid,  N-(5,6,7,8-tetrahydro-2-naphthylmethyl)-, sodium salt  857956-72-0P, Taurine, N-(5,6,7,8-tetrahydro-2-naphthylmethyl)-,  sodium salt 861090-87-1P, 2-Naphthalenesulfonic acid,  5-(5,6,7,8-tetrahydro-2-naphthylmethylamino)-, sodium salt  RL: PREP (Preparation)  (preparation of)</p>				
RN	857954-48-4 CAPLUS				
CN	<p>Benzenesulfonic acid, 4-[(5,6,7,8-tetrahydro-2-naphthalenyl)methylamino]-,  sodium salt (1:1) (CA INDEX NAME)</p>				

10/513699



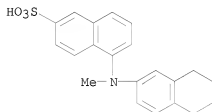
● Na

RN 857956-72-0 CAPLUS  
CN Ethanesulfonic acid, 2-[[ (5,6,7,8-tetrahydro-2-naphthalenyl)methyl]amino]-  
, sodium salt (1:1) (CA INDEX NAME)



● Na

RN 861090-87-1 CAPLUS  
CN 2-Naphthalenesulfonic acid, 5-[methyl(5,6,7,8-tetrahydro-2-naphthalenyl)amino]-, sodium salt (1:1) (CA INDEX NAME)



● Na

L5 ANSWER 39 OF 47 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1937:53452 CAPLUS

DOCUMENT NUMBER: 31:53452

ORIGINAL REFERENCE NO.: 31:7432i,7433a-i,7434a

TITLE: Friedel-Crafts reaction. I. Synthesis of new compounds in the field of pharmaceutical chemistry

AUTHOR(S): Kranzlein, Paul

SOURCE: Berichte der Deutschen Chemischen Gesellschaft

[Abteilung] B: Abhandlungen (1937), 70B,

1776-87

CODEN: BDCBAD; ISSN: 0365-9488

Journal

DOCUMENT TYPE:

LANGUAGE: Unavailable

OTHER SOURCE(S): CASREACT 31:53452

AB According to Kuhn and his school, in the pigment component of the lactoflavin in vitamin B2 2 o-Me groups in a certain position are responsible for the physiol. action. Flavins not methylated on the benzene nucleus and those in which the Me has been shifted from the 6- to the 5- or from the 7- to the 8-position have no growth effect (C. A. 31, 6239.6). The object of the present work was to synthesize heterocyclic substances containing o-Me groups in corresponding positions. Kunkell and Schneider had observed (C. A. 7, 777) that in the action of ClCH<sub>2</sub>COCl on 3,4-Me<sub>2</sub>C<sub>6</sub>H<sub>3</sub>NHAc (I) in the Friedel-Crafts reaction the ClCH<sub>2</sub>CO group enters the o-position to the NHAc group, the latter having an o-, the 3-Me group a p-directing influence. It was to be expected that 2-acetamino-5,6,7,8-tetrahydronaphthalene (II) and 5-acetaminohydrindene (III) would behave in the same way, the cyclic methylene residues having the same influence as the 2 o-Me groups in I. Such proved to be the case. 5,6,5',6'-Tetramethylindigo (IV), from 3,4,6-Me<sub>2</sub>(ClCH<sub>2</sub>CO)C<sub>6</sub>H<sub>2</sub>NHAc and alkali, was oxidized to 5,6-dimethylisatin (V), best with HNO<sub>3</sub>CrO<sub>3</sub> (Ger. pat. 229,815, C. A. 5, 2732). The corresponding dyes were likewise obtained in good yields from the ClCH<sub>2</sub>CO derivs. of II and III. The 3 isatins with PhCOMe in alkaline solution gave the 6,7-substituted 2-phenylquinoline-4-carboxylic acids. These acids, as compared with atophan, showed no greater pharmacol. action and about the same, or perhaps somewhat higher, toxicity; they have no vitamin B2 action and have no advantages over other atophan derivs. in their influence on uric acid metabolism. An attempt was also made to introduce the above substituents into acridines. 2'-Chloro-4,5-dimethyl-2-aminobenzophenone (VI) was prepared from I and o-ClC<sub>6</sub>H<sub>4</sub>COCl but attempts to effect ring closure to the acridone with Cu(OAc)<sub>2</sub> in AmOH and even by heating in PhNO<sub>2</sub> with Cu and K<sub>2</sub>CO<sub>3</sub> failed. 3',4'-Dimethyldiphenylamine-2-carboxylic acid (VII) was accordingly prepared by heating 3,4-Me<sub>2</sub>C<sub>6</sub>H<sub>3</sub>NH<sub>2</sub> and o-ClC<sub>6</sub>H<sub>4</sub>CO<sub>2</sub>H with Cu and K<sub>2</sub>CO<sub>3</sub>; ring closure to 2,3-dimethylacridone (VIII) was easily effected with concentrated H<sub>2</sub>SO<sub>4</sub> at 80°. VIII was quant. reduced with Na and AmOH to the dihydroacridine (IX) which with FeCl<sub>3</sub> yielded 2,3-dimethylacridine (X) through a green addition product, IX.X. 2,3-Cyclotrimethylene- (XI) and 2,3-cyclotetramethyleneacridine (XII) were prepared in the same way. The tolerated doses, s.c., per 20-g. mouse weight of X, XI, XII and acridine (XIII) are resp. 40, 20-40, 20 and 2 mg. The dilns. (1:x) at which they inhibit growth in vitro of streptococci are 100, 200, 200, 8000; of staphylococci 200, 200, 200, 4000; of pneumococci 500, <500, 500, 8000. Local disinfection expts. on animals gave similar results; only with gonococci did the new acridines prove nearly as effective as XIII itself. Hence, 2,3-substitution of XIII decreases the toxicity but also the disinfecting power. I (82% from Me<sub>2</sub>C<sub>6</sub>H<sub>3</sub>NH<sub>2</sub> and AcCl in pyridine), m. 96.5°. 6-ClCH<sub>2</sub>CO derivative (94%), m. 167°. IV (55%) forms an



olive-yellow Na2S2O4 vat, dissolves in concentrated H2SO4 with yellow-red color.

V (72%), orange, m. 214-15°.

2-Phenyl-6,7-dimethylquinoline-4-carboxylic acid (dimethylatophan) (85%), m. 251.5°. II, from the amine and 1.5 mols. Ac2O on the water bath (80% yield), m. 106°. 3-Chloroacetyl derivative (27%), m. 148°, soluble in concentrated H2SO4 with yellow color, developing a strong green fluorescence on short warming. 5,6,5',6'-Bis(cyclotetramethylene)indigo (86%), dark blue. 5,6-Cyclotetramethyleneisatin (85%), brown-orange, m. 194°. 2-Ph - 6,7 - cyclotetramethylenequinoline - 4 - carboxylic acid (53%), m. 237°. III (81%), m. 104°. 6-Chloroacetyl derivative (52%), m. 167°. 5,6,5',6'-Bis(cyclotrimethylene)indigo (83%), soluble in concentrated H2SO4 with red color.

5,6-Cyclotrimethyleneisatin

(50%), brown-orange, m. 206°.

2-Phenyl-6,7-cyclotrimethylenequinoline-4-carboxylic acid (40%), light yellow, m. 261°. VI (80%), m. 173°, soluble in concentrated H2SO4 with yellow color. VII (83%), m. 188-9°. VIII (80%), yellow, m. 297°, soluble in alc. KOH. IX, m. 215°. X, light yellow, m. 162°, shows green fluorescence in concentrated H2SO4.

3',4'-Cyclotetramethylene analog of VII (90%), m. 173°; acridone (78%), yellow, m. 309°; dihydroacridine, yellow, m. 169-70°;

XII, light yellow, m. 117°, shows green fluorescence in H2SO4.

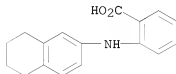
3',4'-Cyclotrimethylene analog of VII, m. 176°; acridone (83%), m. 338°, soluble in H2SO4 with blue, in MeOH with blue-violet fluorescence; dihydroacridine, m. 209°; XI, m. 152°, shows green fluorescence in H2SO4.

IT 856356-54-2P, Anthranilic acid,  
N-(5,6,7,8-tetrahydro-2-naphthyl)-  
RL: PREP (Preparation)

(preparation of)

RN 856356-54-2 CAPLUS

CN Benzoic acid, 2-[(5,6,7,8-tetrahydro-2-naphthalenyl)amino]- (CA INDEX NAME)



OS.CITING REF COUNT: 2 THERE ARE 2 CAPLUS RECORDS THAT CITE THIS RECORD  
(2 CITINGS)

L5 ANSWER 40 OF 47 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1935:22787 CAPLUS

DOCUMENT NUMBER: 29:22787

ORIGINAL REFERENCE NO.: 29:2930i,2931a-e

TITLE: Reduction of nitro and polynitro compounds. XIV. The

reduction of aromatic mono- and polynitro compounds

AUTHOR(S): Brand, K.; Mahr, Joseph

SOURCE: Journal fuer Praktische Chemie (Leipzig) (1935

), 142, 153-76

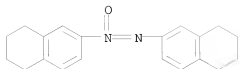
CODEN: JPCEAO; ISSN: 0021-8383

DOCUMENT TYPE: Journal

LANGUAGE: Unavailable

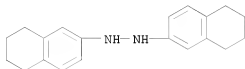
- AB cf. C. A. 26, 3781. Data are given for the velocity of the reactions  
 $2,5\text{-Me}_2\text{C}_6\text{H}_3\text{NO} + 2,5\text{-Me}_2\text{CH}_3\text{NHOH} \rightarrow \text{H}_2\text{O} +$   
 $2,5\text{-Me}_2\text{C}_6\text{H}_3\text{N}(\text{:O})\text{:NC}_6\text{H}_3\text{Me}_2\text{-2,5; } 2,4,5\text{-Me}_2(\text{O}_2\text{N})\text{C}_6\text{H}_2\text{NO} +$   
 $2,4,5\text{-Me}_2(\text{O}_2\text{N})\text{C}_6\text{H}_2\text{NHOH} \rightarrow \text{H}_2\text{O} + 2,4,5\text{-Me}_2(\text{O}_2\text{N})\text{C}_6\text{H}_2\text{N}(\text{:O})\text{:}$   
 $\text{NC}_6\text{H}_2(\text{NO}_2)\text{Me}_2\text{-2,4,5; } 2,5,3\text{-Me}_2(\text{O}_2\text{N})\text{C}_6\text{H}_2\text{NO} + 2,5,3\text{-Me}_2(\text{O}_2\text{N})\text{C}_6\text{H}_2\text{NHOH}$   
 $\rightarrow \text{H}_2\text{O} + 2,5,3\text{-Me}_2(\text{O}_2\text{N})\text{C}_6\text{H}_2\text{N}(\text{:O})\text{:NC}_6\text{H}_2(\text{NO}_2)\text{Me}_2\text{-2,5,3; } 1\text{-ClO}_7\text{H}_7\text{NO} +$   
 $1\text{-ClO}_7\text{H}_7\text{NHOH} \rightarrow \text{H}_2\text{O} + 1,1'\text{-ClO}_7\text{H}_7\text{N}(\text{:O})\text{:NC}_6\text{H}_7; 2\text{-ClO}_7\text{H}_7\text{NO} +$   
 $2\text{-ClO}_7\text{H}_7\text{NHOH} \rightarrow \text{H}_2\text{O} + 2,2'\text{-azoxytetralin. The velocity of formation}$   
of azoxybenzene (I) is accelerated by a very small concentration of HO ion; the  
effect is much greater than with H ion. Under similar conditions 3,3'-  
and 4,4'-azoxytoluene are formed more rapidly but the 2,2'-isomer (II)  
much more slowly than I. 2,4,2',4'- and  
2,5,2',5'-tetramethylazoxybenzene are formed not only more slowly than I  
but also more slowly than II. 3,3'-Dinitroazoxy compds. (III) are formed  
considerably more rapidly than the parent compds. The velocity of  
formation of III is decreased by the presence of an o-Me group but is  
raised by a p-Me group. Cl in the o-position to the NO and NHOH groups  
decreases the rate of reaction but in the m- and p-positions it  
accelerates it. 2,2'-Dinitroazoxybenzene is formed half as fast, the  
3,3'-isomer 5/3 as fast and the 4,4'-isomer 6.5 times as fast as I.  
1,1'-Azoxynaphthalene is formed in 70% alc. at a rate only slightly less  
than that of I under similar conditions; consts. could not be determined for  
acid and alkaline solns., probably because of side reactions. The following  
new compds. are reported: 1,2-dimethyl-2-nitro-6-hydroxylaminobenzene,  
yellow, m. 87°; 1,4-dimethyl-2-nitro-6-nitrosobenzene, m.  
134-5°; 2,5,2',5'-tetramethyl-3,3'-dinitroazoxybenzene, m.  
191-2°; 1,3-dimethyl-4-nitro-6-hydroxyl-aminobenzene, yellow, m.  
126.5-7.5°; the 6-NO derivative m. 108°; the azoxy compound m.  
201-2°; 2-hydroxylamino-tetralin, m. 66-7°;  
5,6,7,8,5',6',7',8'-octahydro-2,2'-azoxynaphthalene, yellow, m.  
100-1°; the 2,2'-azo derivative, orange-red, m. 127-8°; the  
2,2'-hydrazo derivative, pale yellow, m. 121-2°. The theoretical part  
discusses many reactions and gives velocity consts. for the formation of  
several azoxy compds.
- IT 856203-98-0P, Naphthalene, 2,2'-azoxybis[5,6,7,8-tetrahydro-  
858024-54-1P, Naphthalene, 2,2'-hydroazobis[5,6,7,8-tetrahydro-  
858025-08-8P, Naphthalene, 2,2'-azobis[5,6,7,8-tetrahydro-  
RL: PREP (Preparation)  
(preparation of)  
RN 856203-98-0 CAPLUS  
CN Naphthalene, 2,2'-azoxybis[5,6,7,8-tetrahydro- (3CI) (CA INDEX NAME)

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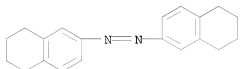
RN 858024-54-1 CAPLUS

CN Naphthalene, 2,2'-hydroazobis[5,6,7,8-tetrahydro- (3CI) (CA INDEX NAME)



RN 858025-08-8 CAPLUS

CN Naphthalene, 2,2'-azobis[5,6,7,8-tetrahydro- (3CI) (CA INDEX NAME)



OS.CITING REF COUNT: 2

THERE ARE 2 CAPLUS RECORDS THAT CITE THIS RECORD  
(2 CITINGS)

L5 ANSWER 41 OF 47 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1935:14013 CAPLUS

DOCUMENT NUMBER: 29:14013

ORIGINAL REFERENCE NO.: 29:1812a-i

TITLE: Homologs of naphthacene. II. 2-Methyl- and 2,7-dimethylnaphthacene; synthetic applications of 2,6-and 2,7-dimethyl-1,2,3,4-tetrahydronaphthalene

AUTHOR(S): Coulson, Edward A.

SOURCE: Journal of the Chemical Society (1935) 77-83

CODEN: JCSOA9; ISSN: 0368-1769

DOCUMENT TYPE: Journal

LANGUAGE: Unavailable

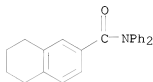
AB cf. C. A. 29, 154.5. 3,6,2-Me2C10H5OH (38 g.), 30 g. (NH4)2SO3 and 400 cc. NH4OH (d. 0.88), heated (6 hrs. at 200°, give 65% of 3,6-dimethyl-2-naphthylamine (I), m. 139°; HCl salt, m. 283° (decomposition); Ac derivative, m. 207°. I (16.5 g.), through the Sandmeyer reaction, gives 11 g. of 3,6-dimethyl-2-naphthonitrile, in. 145°; heating with 50% KOH and EtOH for 24 hrs. gives 11 g. 3,6-dimethyl-2-naphthoic acid, pale cream, m. 224°; acid chloride, cream, m. 70°; the anilide, pale straw, m. 207-8°; the chloride with C6H6 or PhMe and AlCl3, gives resinous products; PhMe and FeCl3 at 90° for 4 hrs. give a small yield of 2-p-tolyl-3,6-dimethylnaphthalene, m. 112°; this chars at 400° but forms a small quantity of 2,7-dimethylnaphthacene, golden orange, m. 362°; the solns. show a marked green fluorescence; the cold concentrated H2SO4 solution is moss-green. 2,7-Dimethylnaphthacene-9,10-quinone, yellow, m. 223°; the deep purple-red solution in concentrated H2SO4 fades on dilution Diphenylcarbonyl chloride (II), tetralin, AlCl3 and CS2, refluxed 3 hrs., give 1,2,3,4-tetrahydro-6-naphthodiphenylamide, m. 87-8°; hydrolysis gives 1,2,3,4-tetrahydro-6-naphthoic acid, m. 154 (acid chloride (III), b12 163°); 1,2,3,4-tetrahydro-6-naphthanilide, m. 147°. III (28 g.), 30 g. m-C6H4Me2, CS2 and AlCl3, refluxed 3 hrs., give 36.5 g. of 6-(2',4'-dimethylbenzoyl)-1,2,3,4-tetrahydronaphthalene (IV), pale yellow, b10 223°; IV also results in 35.5 g. yield from 30 g. 2,4-Me2C6H3COCl, 30 g. tetralin and 30 g. AlCl3. Pyrolysis of IV gives a mixture of 2-methylnaphthacene (V), golden orange, m. 350°, 7-methyl-1,2,3,4-tetrahydronaphthacene and 7-methyl-1,2-benzanthracene; the last 2 could not be separated but on dehydrogenation with Se yielded a mixture of V and 7-methyl-1,2-benzanthracene, separated by crystallization from AcOH. 2,6-Cl0H6Me2 on catalytic reduction (Mo catalyst) at 390-400° for 6 hrs. gives 25-30% of the 1,2,3,4-tetrahydro derivative (VI), b. 237-9°, m. 14-17°; there also results some 2,6-dimethyldecalin, b. 216-7°; probably other isomers are formed. 2,7-Cl0H6Me2 (250 g.) at 300° for 4 hrs. gives 84 g. of the 1,2,3,4-tetrahydro derivative (VII), b. 237-8°; a 2,7-dimethyldecalin, b. 216-8°, is also formed. VI and II with AlCl3 in CS2 give 2,6-dimethyl-1,2,3,4-tetrahydro-7-naphthoic acid, m. 183°, after hydrolysis of the amide; Se gives 2,6,3-Me2C10H5CO2H; VII yields 2,7-dimethyl-1,2,3,4-tetrahydro-6-naphthoic acid, m. 187°. VI, sulfonated, the Na salt treated with PCl5 and the chloride with NH4OH, gives 2,6-dimethyl-1,2,3,4-tetrahydronaphthalene-7-sulfonamide, cream, m. 166-7°. Fusion of the Na salt with KOH at 300-40° gives 2,6-dimethyl-1,2,3,4-tetrahydro-7-naphthol, m. 116°. 2,7-Dimethyl-1,2,3,4-tetrahydro-6-sulfonamide, cream, m. 145.5°; the 6-naphthol m. 87°. 7-p-Tolyl-2,6-dimethyl-1,2,3,4-

tetrahydronaphthalene, m. 95°; 6-benzoyl-2,7-dimethyl derivative, b4 202°; 6-p-toluyyl analog, b2 199°. Pyrolysis of these ketones gives: 2,6-dimethyl-1,2,3,4-tetrahydronaphthacene, pale yellow, m. 214°; 2-Me derivative, pale yellow, m. 203°; 2,7-di-Me derivative, pale yellow, m. 210°. Dehydrogenation gives the naphthacene compds.; the 2,6-di-Me derivative is less readily dehydrogenated. Both the tetrahydronaphthols have "wetting-out" properties but the 2,6-isomer is much superior.

IT 859071-22-0P, 2-Naphthamide, 5,6,7,8-tetrahydro-N,N-diphenyl-  
RL: PREP (Preparation of)  
(preparation of)

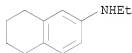
RN 859071-22-0 CAPLUS

CN INDEX NAME NOT YET ASSIGNED



L5 ANSWER 42 OF 47 CAPLUS COPYRIGHT 2009 ACS on STN  
 ACCESSION NUMBER: 1928:20295 CAPLUS  
 DOCUMENT NUMBER: 22:20295  
 ORIGINAL REFERENCE NO.: 22:2379b-c  
 TITLE: Hydrogenated naphthylamines  
 PATENT ASSIGNEE(S): Soc. anon. pour l'ind. chim. a Bale  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Unavailable  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	GB 276571		19270224	GB	<--
AB	ar-Tetrahydronaphthylamine derivs. are made by subjecting N-substituted naphthylamines to catalytic hydrogenation, and the hydrogenated naphthylamines themselves may be made by using an acetyl derivative as the starting material and subsequently saponifying Examples are given for the production of ar-N-ethyltetrahydronaphthylamine, ar-acetyltetrahydro- $\beta$ -naphthalide, ar-N-phenyltetrahydro- $\alpha$ -naphthylamine and acetylated ar-tetrahydro-N-ethyl- $\alpha$ -naphthylamine.				
IT	856213-39-3P, 2-Naphthylamine, N-ethyl-5,6,7,8-tetrahydro- RL: PREP (Preparation) (preparation of)				
RN	856213-39-3 CAPLUS				
CN	2-Naphthalenamine, N-ethyl-5,6,7,8-tetrahydro- (CA INDEX NAME)				



L5 ANSWER 43 OF 47 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1924:4947 CAPLUS

DOCUMENT NUMBER: 18:4947

ORIGINAL REFERENCE NO.: 18:675g-i,676a-i

TITLE: Catalytic hydrogenations under pressure in the

presence of nickel salts. VI. Nitriles

AUTHOR(S): v. Braun, Julius; Blessing, Georg; Zobel, Friedrich

SOURCE: Berichte der Deutschen Chemischen Gesellschaft

[Abteilung] B: Abhandlungen (1923), 56B,

1988-2001

CODEN: BDCBAD; ISSN: 0365-9488

DOCUMENT TYPE: Journal

LANGUAGE: Unavailable

GI For diagram(s), see printed CA Issue.

AB cf. C. A. 17, 2884. With the author's apparatus nitriles can be quickly and smoothly reduced to mixts. of primary and secondary bases (80-95% yields); only in the case of aliphatic nitriles, especially of the lower series, does the reduction soon come to a standstill, probably because the catalyst is paralyzed by slight decomposition products. The pressure has no influence on the nature of the reduction products and the influence of temperature is also not marked and is very variable; to avoid this last factor the present work was almost all done at 115-25°. Two factors whose influence is extraordinarily pronounced are the nature of the solvent and the concentration. The sum total of the reduction products always increases in passing from hydrocarbons like tetra- or decahydronaphthalene to solvents containing O (alcs., ethers), and by varying such O-containing solvents, an extraordinarily marked shifting of the yield in favor of the primary or of the secondary base can be effected. In all solvents, increasing concentration favors the formation of the primary base, often to a very considerable extent. The mechanism of the reaction is probably as follows:  $RCN \rightarrow RCH:NH \rightarrow RCH_2NH_2$ ;  $RCH:NH + RCH_2NH_2$  o-Substitution products of PhCN give, under the same conditions, less secondary base than m- and p-derivs.,  $\alpha$ -tetralyl cyanide gives less than the  $\beta$ -isomer. When an alc., R'OH, with an especially mobile HO group (PhCH<sub>2</sub>OH, cyclohexanol) is used as solvent, mixed bases are also formed:  $RCN:NH + R'OH \rightarrow RCH(OH)NHR' \rightarrow RCH:NR' \rightarrow RCH_2NHR'$ . The Ni salt was reduced in an autoclave in the desired solvent, then the nitrile, in the amount of solvent necessary to give the desired concentration in the mixed solution, was drawn in and the reduction effected under an average excess pressure of 20 atmospheric. The H was absorbed at the rate of 1 l. in 2-6 min. Heptyl cyanide, b15 87-8°, in tetralin or decalin gives in 25% solution 15 and 18%, in 70% solution 17 and 21%, resp., of octylamine, b14 72-3°, and dioctylamine, b14 175°. PhO(CH<sub>2</sub>)<sub>3</sub>CN (I) in tetralin (24%) gives 29% PhO(CH<sub>2</sub>)<sub>4</sub>NH<sub>2</sub>, b12 140°, and 47% de- $\delta$ -phenoxybutylamine, b15 266°, m. 51-2° (HCl salt, m. 165°; NO derivative, m. 50°; the picrate, Ac and Bz derivs. are oils; heated several hrs. at 100° with fuming HBr, the sec. amine yields di- $\delta$ -bromobutylamine dihydrobromide (II), m. 200°, whose aqueous solution, treated with exactly 2 mols. NaOH, almost immediately becomes neutral and clear; on evaporating, extracting with CHCl<sub>3</sub>

and

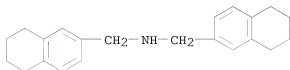
adding Et<sub>2</sub>O there is at once precipitated the very hygroscopic bispyrrolidinium bromide, C<sub>8</sub>H<sub>17</sub>NBr<sub>3</sub>, m. 256-8°; the primary product, N- $\delta$ -bromobutylpyrrolidine, (CH<sub>2</sub>)<sub>2</sub>CH<sub>2</sub>2N(CH<sub>2</sub>)<sub>4</sub>Br, formed by intramol. alkylation of the free base of II, cannot be isolated even when the reaction mixture is carefully cooled. When the I is reduced in cyclohexanol (17-25% solution) there is formed, in addition to 37 and 30%, resp., of the

above primary and sec. bases, 15% of the mixed cyclohexyl- $\gamma$ -phenoxybutylamine, b16 177-9°, isolated as the picrate, m. 110°; the HCl salt is deliquescent and the NO derivative oily. The yields of PhCH<sub>2</sub>NH<sub>2</sub> (III), b13 75-80°, and of (PhCH<sub>2</sub>)<sub>2</sub>NH (IV), b13 160-5°, resp., from PhCN in various solvents (% concentration of the solution in parentheses) are as follows: decalin or tetralin (9) 44, 40, (25) 41, 35 (66) 72, 5; EtOH (9) 59, 14, (66) 71, 8; Am<sub>2</sub>O (20) 41, 39; in cyclohexanol (16%) in addition to 24 and 11% of III and IV is obtained 35% cyclohexylbenzylamine, b15 145-7° (HCl salt, m. 284°; NO derivative, m. 43°; PhSO<sub>2</sub> derivative, m. 90°); in m-methylcyclohexanol (15%) are obtained 58 and 15% of III and IV and 5% m-methylcyclohexylbenzylamine, b15 155° (NO derivative, oil; HCl salt, m. 249°; HBr salt, m. 250°). The C10H<sub>7</sub>CN have to be reduced at 190° in order to absorb the H with reasonable rapidity. The  $\alpha$ -compound in decalin or tetralin (45%) gives 70%  $\alpha$ -naphthylmethylamine, b12 155° (HCl salt, m. 262-4°; picrate, m. 223°; phenylurea, m. 216°; Ac derivative, m. 134°; PhSO<sub>2</sub> derivative, m. 148°; quaternary MeI salt, m. 213°), and 21% of di- $\alpha$ -naphthylmethylamine, m. 73-4°, isolated as the HCl salt, m. 239°; picrate, m. 202°; NO derivative, m. 147°; quaternary MeI derivative, m. 209-10°.  $\beta$ -C10H<sub>7</sub>CN in 50% solution gives 66%  $\beta$ -naphthylmethylamine, b12 148-9°, m. 60° (HCl salt, m. 269°; picrate, m. 226°; Ac derivative, m. 126°; quaternary methiodide, m. 168°), and 17% of di- $\beta$ -naphthylmethylamine, m. 95° (HCl salt, m. 285°; picrate, m. 126°; NO derivative, m. 132°; quaternary methiodide, m. 217°). The yields of PhCH<sub>2</sub>CH<sub>2</sub>NH<sub>2</sub> (V) and (PhCH<sub>2</sub>CH<sub>2</sub>)<sub>2</sub>NH (VI), b18 195°, m. 28-30° (picrate, m. 150°; NO derivative, m. 53°; phenylthiourea, m. 113°) from PhCH<sub>2</sub>CN in various solvents (concentration of solution in parentheses) are as follows: tetralin or decalin (20) 39, 21, (23) 35, 27, (33) 36, 26, (66) 64, 3; EtOH (14) 8, 78, (25) 20, 60, (50) 22, 62; octyl alc. (50) 55, 38; Ph(CH<sub>2</sub>)<sub>2</sub>OH (50) 55, 35; ac- $\beta$ -tetralol (50) 23, 46; cyclopentanol (20) 71, 17; Am<sub>2</sub>O (15) 13, 75, (66) 57, 29; in cyclohexanol (15%) are obtained 35 and 10% V and VI and 38%  $\beta$ -phenylethylcyclohexylamine, b13 163-9° (HCl salt, m. 199°; picrate, m. 154°); in PhCH<sub>2</sub>OH (20%), 61% V and 26%  $\beta$ -phenylethylbenzylamine, b15 186-7° (HCl salt, m. 254°; NO derivative, m. 142°; Bz derivative, m. 123°; picrate, m. 146°); in p-MeC<sub>6</sub>H<sub>4</sub>CH<sub>2</sub>OH (20%), 45% V and 28%  $\beta$ -phenylethyl-p-methylbenzylamine, b14 191-3° (HCl salt, m. 238-40°; picrate, m. 139-41°). PhCH<sub>2</sub>CH<sub>2</sub>CN in decalin or tetralin (33%) gives 57 and 29%, in Ph(CH<sub>2</sub>)<sub>2</sub>OH (16%) 70 and 20%, resp., of Ph(CH<sub>2</sub>)<sub>3</sub>NH<sub>2</sub> (VII), b18 112-4°, and (PhCH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>)<sub>2</sub>NH, b18 220-2°; in PhCH<sub>2</sub>OH (10%) 15% VII and 45%  $\beta$ -phenylpropylbenzylamine, isolated as the HCl salt m. 184-5°. o-MeC<sub>6</sub>H<sub>4</sub>CN gives in decalin or tetralin (10) 54, 32, (81) 80, 9, in EtOH (14) 72 and 16%, resp., of MeC<sub>6</sub>H<sub>4</sub>CH<sub>2</sub>NH<sub>2</sub> and di-o-methylbenzylamine, b16 190° (HCl salt, m. 202°; picrate, m. 133°). m-MeC<sub>6</sub>H<sub>4</sub>CN in decalin or tetralin (19, 37 and 82%) yields 54, 70 and 75%, resp., of MeC<sub>6</sub>H<sub>4</sub>CH<sub>2</sub>NH<sub>2</sub> and 32, 14 and 15% of di-m-methylbenzylamine, b14 189-91° (HCl salt, m. 199°; Bz derivative, m. 100°). From p-MeC<sub>6</sub>H<sub>4</sub>CN (30% solution) are obtained 41% MeC<sub>6</sub>H<sub>4</sub>CH<sub>2</sub>NH<sub>2</sub> and 32% di-p-methylbenzylamine, b30 220°. o-MeOCH<sub>2</sub>C<sub>6</sub>H<sub>4</sub>CN in 20% solution gives 44 and 22, the p-compound in 50% solution 20 and 24%, resp., of the primary and secondary bases (cf. C. A. 17, 2582).  $\alpha$ -Tetralyl cyanide in 20% solution gives 70 and 1.5%, resp., of ar- $\alpha$ -tetralylmethylamine, b14



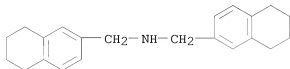
150°, and of the sec. base, m. 93° (HCl salt, m. 212°; NO derivative, m. 90-1°), while the  $\beta$ -isomer in 30% solution yields 47% of the primary base, bll 147°, and 24% of the sec. base, bll 265-7° (HCl salt, m. 245°; Bz derivative, m. 241-2°; NO derivative, m. 76°).

- IT 861318-28-7P, Dimethylamine,  $\alpha, \alpha'$ -bis(5,6,7,8-tetrahydro-2-naphthyl)-, -HCl  
 861375-66-8P, Dimethylamine,  $\alpha, \alpha'$ -bis(5,6,7,8-tetrahydro-2-naphthyl)-  
 861376-22-9P, Dimethylamine, N-nitroso- $\alpha, \alpha'$ -bis(5,6,7,8-tetrahydro-2-naphthyl)-  
 861787-07-7P, Benzamide, N,N-bis(5,6,7,8-tetrahydro-2-naphthylmethyl)-  
 RL: PREP (Preparation)  
 (preparation of)  
 RN 861318-28-7 CAPLUS  
 CN 2-Naphthalenemethanamine, 5,6,7,8-tetrahydro-N-[(5,6,7,8-tetrahydro-2-naphthalenyl)methyl]-, hydrochloride (1:1) (CA INDEX NAME)

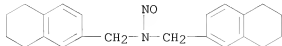


● HCl

- RN 861375-66-8 CAPLUS  
 CN 2-Naphthalenemethanamine, 5,6,7,8-tetrahydro-N-[(5,6,7,8-tetrahydro-2-naphthalenyl)methyl]- (CA INDEX NAME)

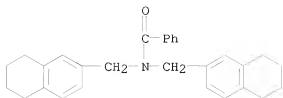


- RN 861376-22-9 CAPLUS  
 CN 2-Naphthalenemethanamine, 5,6,7,8-tetrahydro-N-nitroso-N-[(5,6,7,8-tetrahydro-2-naphthalenyl)methyl]- (CA INDEX NAME)



- RN 861787-07-7 CAPLUS  
 CN Benzamide, N,N-bis[(5,6,7,8-tetrahydro-2-naphthalenyl)methyl]- (CA INDEX NAME)

10/513699



L5 ANSWER 44 OF 47 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1922:24682 CAPLUS

DOCUMENT NUMBER: 16:24682

ORIGINAL REFERENCE NO.: 16:4202d-i,4203a

TITLE: Benzopolymethylene compounds. IV. The two ar-aldehydes of tetralin

AUTHOR(S): Braun, Julius V.; Moldaenke, K.; Dirlam, H.; Gruber, H.

SOURCE: Berichte der Deutschen Chemischen Gesellschaft [Abteilung] B: Abhandlungen (1922), 55B, 1700-9

CODEN: BDCBAD; ISSN: 0365-9488

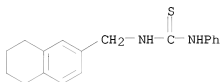
DOCUMENT TYPE: Journal

LANGUAGE: Unavailable

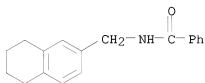
AB When tetralin (A) is treated with CO and HCl in the presence of AlCl<sub>3</sub> it is impossible to prevent the greater part of the A from condensing with itself in the same way as it does with AlCl<sub>3</sub> alone (Schroeter, C. A. 15, 525); the small part that does react with the CO and HCl gives exclusively the ar-tetralin- $\beta$ -aldehyde (B) (2 g. from 100 g. A). Both B and the  $\alpha$ -isomer (C) can be obtained from the ar-tetralin- $\beta$ - and  $\alpha$ -methylamines (D and E, resp.) through the corresponding alcs. Bamberger and Lotter's statement that  $\alpha$ -C<sub>10</sub>H<sub>7</sub>CH<sub>2</sub>NH<sub>2</sub> on reduction takes up the H in the substituted nucleus (Ber. 20, 1708(1887)) seemed to exclude this compound and the  $\beta$ -isomer as the starting points in the synthesis of B and C. Accordingly the NH<sub>2</sub> group in the  $\alpha$ - and  $\beta$ -tetralylamines was replaced by CN, which was then reduced to CH<sub>2</sub>NH<sub>2</sub>, but the yields are poor. On repeating B.'s work, however, it was found that it is the unsubstituted nucleus which takes up the H on reduction and that the pure D and E can easily be obtained in this way. ar- $\alpha$ -Tetralyl cyanide, obtained in 22% yield from the amine by the Sandmeyer reaction, b<sub>15</sub> 153°, solidifies to a yellowish crystalline mass m. 48° (Bamberger and Bordt, Ber. 22, 625(1889), describe it as an oil b<sub>121</sub> 277-9°, which does not solidify), hydrolyzed by fuming HCl in a sealed tube at 120° to the acid, m. 150° (B. and H. give 123°); reduction of the nitrile with Na and alc. gives chiefly A and only about 1/3 is converted into E, oil of basic odor, b<sub>11</sub> 149-52°, eagerly absorbs CO<sub>2</sub> from the air, also obtained in almost 90% yield from  $\alpha$ -C<sub>10</sub>H<sub>7</sub>CH<sub>2</sub>NH<sub>2</sub> with 8 atoms of Na in AmOH (in EtOH there is very little reaction); hydrochloride, silvery needles from alc., m. 253°; picrate, golden yellow prisms from alc., m. 242°; acetyl derivative, m. 125°; benzoyl derivative, m. 144°; phenylurea, m. 199°; phenylthiourea, m. 153°. The corresponding ar- $\alpha$ -tetralylmethylamine (from  $\alpha$ -C<sub>10</sub>H<sub>7</sub>CN with Na and alc.) forms a hydrochloride m. 230°, picrate m. 169-70°, phenylurea m. 126°, and benzoyl derivative m. 125°. ar- $\beta$ -Tetralyl cyanide (obtained in 45-60% yield), liquid of a not unpleasant odor, b<sub>11</sub> 151-2°, m. 20-1°, gives with Na and EtOH 30% of D, b<sub>11</sub> 146-8°; hydrochloride, m. 248°; picrate, m. 215°; benzoyl derivative, long needles from alc., m. 165°, b<sub>10</sub> 260-5°; p-nitrobenzoyl derivative, m. 170°; phenylthiourea, m. 130°. D is also obtained in almost 90% yield from  $\beta$ -C<sub>10</sub>H<sub>7</sub>CH<sub>2</sub>NH<sub>2</sub> with Na and AmOH. ar- $\alpha$ -Tetralylcarbinol, obtained in 80% yield from E diazotized in AcOH with the calculated amount of NaNO<sub>2</sub> and heated on the H<sub>2</sub>O bath until the evolution of gas ceases, b<sub>12</sub> 154-5°, gives in H<sub>2</sub>SO<sub>4</sub> with the calculated amount of K<sub>2</sub>Cr<sub>2</sub>O<sub>7</sub> 1/3 of its weight of C, b<sub>12</sub> 131-3°, as an almost odorless oil; semicarbazone, m. 187°. KMnO<sub>4</sub> smoothly oxidizes C to the acid.

ar- $\beta$ -Tetralylcarbinol (yield, 70%), faintly yellow liquid with a strong pleasant odor, b14 148-52°, gives on oxidation 25% of B, liquid of characteristic peppermint-like odor, b14 138°; semicarbazone, m. 219°.

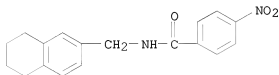
IT 861521-58-6P, Urea,  $\alpha$ -phenyl- $\beta$ -[(5,6,7,8-tetrahydro-2-naphthyl)methyl]thio- 861800-58-0P, Benzamide, N-[(5,6,7,8-tetrahydro-2-naphthyl)methyl]- 861969-08-6P, Benzamide, p-nitro-N-[(5,6,7,8-tetrahydro-2-naphthyl)methyl]-  
 RL: PREP (Preparation)  
 (preparation of)  
 RN 861521-58-6 CAPLUS  
 CN Thiourea, N-phenyl-N'-[(5,6,7,8-tetrahydro-2-naphthalenyl)methyl]- (CA INDEX NAME)



RN 861800-58-0 CAPLUS  
 CN Benzamide, N-[(5,6,7,8-tetrahydro-2-naphthalenyl)methyl]- (CA INDEX NAME)



RN 861969-08-6 CAPLUS  
 CN Benzamide, 4-nitro-N-[(5,6,7,8-tetrahydro-2-naphthalenyl)methyl]- (CA INDEX NAME)



L5 ANSWER 45 OF 47 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1922:10116 CAPLUS

DOCUMENT NUMBER: 16:10116

ORIGINAL REFERENCE NO.: 16:1763h-i,1764a-i,1765a-c

TITLE: Hydrogenated naphthalenes and their transformations.

II. Nitro and amino derivatives of tetrahydronaphthalene

AUTHOR(S): Schroeter, G.; Kindermann, E.; Dietrich, C.; Beyschlag, C.; Fleischhauer, Cl.; Riebensahm, E.; Oesterlin, C.

SOURCE: Justus Liebig's Annalen der Chemie (1922), 426, 17-83

CODEN: JLACBF; ISSN: 0075-4617

DOCUMENT TYPE: Journal

LANGUAGE: Unavailable

AB The work described covers the nitration of C10H12, the reduction of various mono-, di- and tri-NO2 derivs., and the nitration of the Ac derivs. of the amines so obtained. The orientations of a considerable no. of isomeric compds. are definitely established. The mononitration of C10H12, using a mixture of HNO3 and H2SO4, leads to the formation of both 1- and 2-nitro-ar-tetrahydronaphthalene, which may be separated by fractional distillation and "freezing out" the fractions or by taking advantage of the

fact that the 2-NO2 compound is more easily reduced than its isomer to an NH2 derivative 1-Nitroderiv. m. 34°, b13 157°, d4040 1.1757, and the 2-NO2 deriv. m. 31.4°, b13 169°, d40401.1762. On dinitration, C10H12 yields a mixture of 1,2- and 1,3-dinitro-ar-tetrahydronaphthalene (1,2-derivative, m. 102-3°; 1,3-derivative, m. 95°) which may be separated by crystallization from concentrated H2SO4

in which the former is less soluble. The orientation of the 1,2-compound rests on its reduction (see below) and that of the 1,3- derivative on its oxidation to 3,5-(O2N)2C6H2(CO2H)2 and its reduction. Another oxidation product with HNO3 is  $\beta$ -o-carboxytrinitrophenylpropionic acid, which decomps. violently on heating. The potassium hydrogen salt was analyzed. The 1,3-derivative cannot be further nitrated. The 1,2-derivative yields 1,2,4-trinitro-ar-tetrahydronaphthalene, m. 94.5-5°, the structure of which was established by reduction. 1,1-Hydrazo-ar-tetrahydronaphthalene, by reduction of the 1-NO2 derivative with Zn dust and alkali, slender needles, m. 181-3°, and on oxidation with KMnO4 is converted quant. into 1,1-azo-ar-tetrahydro-naphthalene, glistening red needles, m. 190-1°, also obtained, with the 1,1-azoxyderivative, yellow needles, m. 184°, by reduction of the NO2 derivative with Zn and NaOH under less energetic conditions. The benzidine conversion gives rise to 4,4'-diamino-1,1'-di-ar-tetrahydronaphthyl, m. 153-4°. The hydrochloride, hydrobromide, sulfate and phosphate are described. The corresponding diazonium salt gives substantive dyes on coupling with various intermediates. 4,4'-Dihydrazino-1,1'-di-ar-tetrahydronaphthyl is formed by reduction with SnCl2; 4,4'-diethoxyderivative, needles, m. 173°. A compound, probably 1,1'-diamino-2,2'-di-ar-tetrahydronaphthyl, results as a by-product in the preparation of the 4,4'-derivative, needles, m. 216°; on heating the HCl salt, it yields NH4Cl and a carbazole-like base, separated as the picrate.  $\alpha$ - and  $\beta$ -C10H11NH2 are obtained from the corresponding NO2 compds. by catalytic reduction and may also be obtained by reducing the crude mononitration product of C10H12 and separating the isomeric bases by the differences in solubility of their HCl salts in H2O, their methanedisulfonates

in 96% EtOH and the difference in the ease with which the bases react with  $\text{Ac}_2\text{O}$ .  $\alpha\text{-ClOH11NH}_2\cdot\text{HCl}$  is more easily soluble in  $\text{H}_2\text{O}$  than the  $\beta$ -derivative. The methanedisulfonate, leaflets, is soluble in 20 parts hot  $\text{H}_2\text{O}$ , 60 parts cold  $\text{H}_2\text{O}$  and 6 times as soluble in EtOH as the  $\beta$ -derivative.  $\text{C}_6\text{H}_4(\text{CO})_2\text{O}$  gives  $\alpha$ -tetralylphthalamic acid, needles, m. 182-4° (decomposition), which loses  $\text{H}_2\text{O}$  on heating and gives the imide, long needles, m. 148-50°. The action of  $\text{Me}_2\text{SO}_4$  on the Ac derivative gives  $\alpha$ -acetmethylaminotetralin, needles, m. 70-2°, b11 182-5°.  $\beta$ -Aminotetralin hydrochloride, large leaflets, is sparingly soluble in cold  $\text{H}_2\text{O}$ , as is the sulfate; the methanedisulfonate forms leaflets which are sparingly soluble in alc. The phthalamic acid forms glistening needles, m. 156.5-8.5°, and the phthalimide, needles, m. 169-71°.  $\beta$ -Acetmethylaminotetralin, needles, m. 67-9°, b12 178-80°. The nitration of  $\alpha\text{-ClOH11NHAc}$  yields 1,4- $\text{ClOH10}(\text{NH}_2)\text{NO}_2$  (Green and Rowe, C. A. 13, 710) and as by-product, 1-acetamino-2-nitrotetralin, needles m. 184-5°, and 1-acetamino-3-nitrotetralin, needles, m. 193°. 1-Amino-2-nitrotetralin, by saponification of the Ac derivative, forms long orange needles, m. 87-8°. 3-Nitro derivative, yellow leaflets, m. 78°, is also obtained by regulated reduction of the 1,3-di- $\text{NO}_2$  derivative. The nitration of  $\beta\text{-ClOH11NHAc}$  in AcOH gives as the main product 2-acetamino-3-nitrotetralin, long yellow needles, m. 134-35.5°, while 2-amino-1-nitrotetralin, needles, m. 128-9°, is produced only in small amts. In  $\text{H}_2\text{SO}_4$ , the main product is 2-acetamino-4-nitrotetralin, long needles, m. 194°, with the 3- $\text{NO}_2$  derivative as a by-product. 2-Amino-3-nitrotetralin, long red needles, m. 125-7°.  $\text{Me}_2\text{SO}_4$  gives the methyl derivative, fine red needles, m. 113-5°, which, with  $\text{Ac}_2\text{O}$ , gives an acetyl derivative,  $\text{AcNMeClOH10NO}_2$ , m. 107-8.5°. 2-Amino-1-nitrotetralin, red needles, m. 96°, obtained by hydrolysis of the Ac derivative and also by partial reduction of the 1,2-( $\text{NO}_2$ )<sub>2</sub> derivative. 2-Amino-4-nitrotetralin, yellow, m. 55°, which may be diazotized and which yields 4-nitro-2-hydroxytetrahydronaphthalene, amorphous body. The diazo compound may be easily reduced to 1- $\text{O}_2\text{NC10H11}$ . 1,3-Dinitro-2-acetaminotetralin is formed by the further nitration of the 3- $\text{NO}_2$  derivative, needles, m. 189-91°. 1,3-Dinitro-2-aminotetralin, yellow needles, m. 166-8°. 3,4-Dinitro-2-acetaminotetralin, needles, m. 175-7°, yields, on hydrolysis, 3,4-dinitro-2-aminotetralin, long golden yellow needles, m. 157°. Tetrahydro-2,3-naphthylenediamine, by catalytic reduction of the 3- $\text{NO}_2$  derivative with H, glistening leaflets, m. 135-6°, b13 165°. The hydrochloride forms glistening leaflets. With AcOH it forms 2,3-tetralylene- $\mu$ -methylimidazole, m. 251-2°, and with phenanthrenequinone 2,3-tetralylenepheneanthrazine, pale yellow, glistening needles, m. 214-6°. 1-Acetamino-2-aminotetralin, m. 149-51°, yields with  $\text{Ac}_2\text{O}$  the 1,2-diacetate, m. 244-5°; 1,2-tetralylphenanthrazine, small, light yellow needles, m. 230°. 1,3-Diaminotetralin forms pearly leaflets, m. 84-5°, the 3-acetate of which forms glistening needles, m. 110-1°, the 1-acetate, m. 173°, and the diacetate, small needles, m. 245-6°. Monoacetyl-1,4-diaminotetralin, glistening needles, m. 154-6°. 1,2,3-Triaminotetralin, by reduction of the 3,4-( $\text{NO}_2$ )<sub>2</sub> or the 1,3-( $\text{NO}_2$ )<sub>2</sub> derivative, is unstable in air but gives a crystalline hydrochloride, and a triacetate, needles, m. 285°. 1,2,4-Triaminotetralin, also unstable, forms a triacetate, fine needles, m. 315°.

IT 861352-73-0P, 2-Naphthylamine, 5,6,7,8-tetrahydro-, methanedisulfonate

10/513699

RL: PREP (Preparation)  
(preparation of)

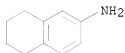
RN 861352-73-0 CAPLUS

CN Methanedisulfonic acid, compd. with 5,6,7,8-tetrahydro-2-naphthalenamine  
(1:1) (CA INDEX NAME)

CM 1

CRN 2217-43-8

CMF C10 H13 N



CM 2

CRN 503-40-2

CMF C H4 O6 S2

$\text{HO}_3\text{S}-\text{CH}_2-\text{SO}_3\text{H}$

OS.CITING REF COUNT: 2 THERE ARE 2 CAPLUS RECORDS THAT CITE THIS RECORD  
(2 CITINGS)

L5 ANSWER 46 OF 47 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1919:229 CAPLUS

DOCUMENT NUMBER: 13:229

ORIGINAL REFERENCE NO.: 13:43b-e

TITLE: Transformation of tetrahydronaphthalene (tetralin) in the animal body

AUTHOR(S): Schroeter, G.; Thomas, K.

SOURCE: Journal of the Chemical Society, Abstracts (1918), 114(I), 418

CODEN: JCSAAZ; ISSN: 0590-9791

DOCUMENT TYPE: Journal

LANGUAGE: Unavailable

AB Tetrahydronaphthalene fed to a dog is absorbed and eventually excreted in combination with urea. The existence of 4 compds. of tetrahydronaphthalene and urea is theoretically possible, and the authors have succeeded in preparing all of them by the interaction of KCNO on the respective amines in H<sub>2</sub>O. ar-Tetrahydro- $\alpha$ -carbamidonaphthalene, C<sub>11</sub>H<sub>14</sub>ON<sub>2</sub>, crystallizes in square plates from alc., softens at 198° and melts at about 206° (quickly heated, at 212°). ar-Tetrahydro- $\beta$ -carbamidonaphthalene, needles, m. 134° (decomposition). ac-Tetrahydro- $\alpha$ -carbamidonaphthalene, needles, m. 210.5°. ac-Tetrahydro- $\beta$ -carbamidonaphthalene, needles, m. 183°. Comparison of the natural product with these compds. shows that tetralin in its passage through the body is converted into di-ac-tetrahydro- $\alpha$ -carbamidonaphthalene. In the preparation of the ar- $\beta$ -compds., a small amount of a substance was obtained in the form of needles, which did not melt below 245° and possessed the composition of di-ar-tetrahydro- $\beta$ -naphthylcarbamide, (C<sub>10</sub>H<sub>12</sub>N)<sub>2</sub>CO.

IT 871892-48-7P, Urea, s-bis(5,6,7,8-tetrahydro-2-naphthyl)-

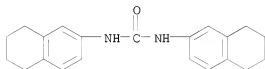
872283-39-1P, Urea, (5,6,7,8-tetrahydro-2-naphthyl)-

RL: PREP (Preparation)

(preparation of)

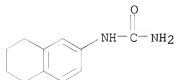
RN 871892-48-7 CAPLUS

CN Urea, N,N'-bis(5,6,7,8-tetrahydro-2-naphthalenyl)- (CA INDEX NAME)



RN 872283-39-1 CAPLUS

CN Urea, N-(5,6,7,8-tetrahydro-2-naphthalenyl)- (CA INDEX NAME)





L5 ANSWER 47 OF 47 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1919:228 CAPLUS

DOCUMENT NUMBER: 13:228

ORIGINAL REFERENCE NO.: 13:43b-e

TITLE: Transformation of tetrahydronaphthalene (tetralin) in the animal body

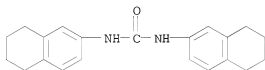
AUTHOR(S): Schroeter, G.; Thomas, K.

SOURCE: Z. physiol. Chem. (1918), 101, 262-75

DOCUMENT TYPE: Journal

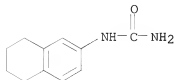
LANGUAGE: Unavailable

- AB Tetrahydronaphthalene fed to a dog is absorbed and eventually excreted in combination with urea. The existence of 4 compds. of tetrahydronaphthalene and urea is theoretically possible, and the authors have succeeded in preparing all of them by the interaction of KCNO on the respective amines in H<sub>2</sub>O. ar-Tetrahydro- $\alpha$ -carbamidonaphthalene, C<sub>11</sub>H<sub>14</sub>ON<sub>2</sub>, crystallizes in square plates from alc., soften at 198° and melts at about 206° (quickly heated, at 212°). ar-Tetrahydro- $\beta$ -carbamidonaphthalene, needles, m. 134° (decomposition). ac-Tetrahydro- $\alpha$ -carbamidonaphthalene, needles, m. 210.5°. ac-Tetrahydro- $\beta$ -carbamidonaphthalene, needles, m. 183°. Comparison of the natural product with these compds. shows that tetralin in its passage through the body is converted into di-ac-tetrahydro- $\alpha$ -carbamidonaphthalene. In the preparation of the ar- $\beta$ -compds., a small amount of a substance was obtained in the form of needles, which did not melt below 245° and possessed the composition of di-ar-tetrahydro- $\beta$ -naphthylcarbamide, (C<sub>10</sub>H<sub>12</sub>N)<sub>2</sub>CO.
- IT 871892-48-7P, Urea, s-bis(5,6,7,8-tetrahydro-2-naphthyl)-  
872283-39-1P, Urea, (5,6,7,8-tetrahydro-2-naphthyl)-  
RL: PREP (Preparation)  
(preparation of)
- RN 871892-48-7 CAPLUS
- CN Urea, N,N'-bis(5,6,7,8-tetrahydro-2-naphthalenyl)- (CA INDEX NAME)



RN 872283-39-1 CAPLUS

CN Urea, N-(5,6,7,8-tetrahydro-2-naphthalenyl)- (CA INDEX NAME)



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(FILE 'HOME' ENTERED AT 13:44:46 ON 23 NOV 2009)

FILE 'REGISTRY' ENTERED AT 13:44:55 ON 23 NOV 2009

L1 STRUCTURE UPLOADED

L2 3 S L1 SSS

L3 4603 S L1 FULL

FILE 'CAPLUS' ENTERED AT 13:45:43 ON 23 NOV 2009

L4 116 S L3 FULL

L5 47 S L4 AND PY<2005

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COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

269.82

455.92

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

-38.54

-38.54

STN INTERNATIONAL LOGOFF AT 13:48:47 ON 23 NOV 2009